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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web  
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NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update  
    frequency  
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02  
NEWS 6 Mar 08 Gene Names now available in BIOSIS  
NEWS 7 Mar 22 TOXLIT no longer available  
NEWS 8 Mar 22 TRCTHERMO no longer available  
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAplus  
    and USPATFULL  
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY  
NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.  
NEWS 12 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 14 Apr 09 ZDB will be removed from STN  
NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB  
NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 19 Jun 03 New e-mail delivery for search results now available  
NEWS 20 Jun 10 MEDLINE Reload  
NEWS 21 Jun 10 PCTFULL has been reloaded  
NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file segment

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
    CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
    AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 08:31:50 ON 18 JUL 2002

=> log y	COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST		0.63	0.63

STN INTERNATIONAL LOGOFF AT 08:33:31 ON 18 JUL 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1636DXS

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V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05  
FEBRUARY 2002  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
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NEWS PHONE Direct Dial and Telecommunication Network Access  
to STN  
NEWS WWW CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002

=> file medline biosis caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.84 0.84

FILE 'MEDLINE' ENTERED AT 08:54:42 ON 18 JUL 2002

FILE 'BIOSIS' ENTERED AT 08:54:42 ON 18 JUL 2002  
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FILE 'CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s casein adj promoter  
L1 0 CASEIN ADJ PROMOTER

=> s casein(2a)promoter  
L2 480 CASEIN(2A) PROMOTER

=> s whey acid(2a)promoter  
L3 17 WHEY ACID(2A) PROMOTER

=> s ?lactalbumin(2a)promoter  
L4 31 ?LACTALBUMIN(2A) PROMOTER

=> s ?lactoalbumin(2a)promoter  
L5 0 ?LACTOALBUMIN(2A) PROMOTER

=> e lactoalbumin  
E1 1 LACTOALBIDA/BI

E2 2 LACTOALBUM/BI

E3 128 --> LACTOALBUMIN/BI

E4 2 LACTOALBUMINE/BI

E5 16 LACTOALBUMINS/BI

E6 2 LACTOALDEHYDE/BI

E7 1 LACTOAMASES/BI

E8 3 LACTOAMIDE/BI

E9 2 LACTOAMINE/BI

E10 1 LACTOAMINOLOVORIN/BI

E11 1 LACTOAMYLOVORIN/BI

E12 1 LACTOAND/BI

=> e lactalbumin  
E1 11 LACTALBUMEN/BI  
E2 1 LACTALBUMI/BI

E3 10117 --> LACTALBUMIN/BI  
E4 3 LACTALBUMIN1/BI  
E5 1 LACTALBUMIN17/BI  
E6 3 LACTALBUMIN2/BI  
E7 1 LACTALBUMIN80/BI  
E8 2 LACTALBUMINA/BI  
E9 1 LACTALBUMINATE/BI  
E10 1 LACTALBUMINCNTDOTML/BI  
E11 20 LACTALBUMINE/BI  
E12 3 LACTALBUMINES/BI

=> s lactoglobulin(2a)promoter  
L6 178 LACTOGLOBULIN(2A) PROMOTER

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002

L1 0 S CASEIN ADJ PROMOTER  
L2 480 S CASEIN(2A)PROMOTER  
L3 17 S WHEY ACID(2A)PROMOTER  
L4 31 S ?LACTALBUMIN(2A)PROMOTER  
L5 0 S ?LACTOALBUMIN(2A)PROMOTER  
E LACTOALBUMIN  
E LACTALBUMIN  
L6 178 S LACTOGLOBULIN(2A)PROMOTER

=> s pig or porcine  
L7 678508 PIG OR PORCINE

=> s cattle or cow or bovine  
L8 762760 CATTLE OR COW OR BOVINE

=> s horse or equine  
L9 135902 HORSE OR EQUINE

=> s goat  
L10 71287 GOAT

=> s camel  
L11 6428 CAMEL

=> s sheep or ovine  
L12 282040 SHEEP OR OVINE

=> s rodent or mouse or rat or murine  
L13 5324583 RODENT OR MOUSE OR RAT OR MURINE

=> s l7(s)l2  
L14 6 L7(S) L2

=> s l7(s)l3  
L15 0 L7(S) L3

=> s l7(s)l4  
L16 2 L7(S) L4

=> s l7(s)l6  
L17 1 L7(S) L6

=> s l8(s)l2  
L18 92 L8(S) L2

=> s l8(s)l3  
L19 1 L8(S) L3

=> s l8(s)l4  
L20 16 L8(S) L4

=> s l8(s)l6  
L21 24 L8(S) L6

=> s l9(s)l2  
L22 0 L9(S) L2

=> s l9(s)l3  
L23 0 L9(S) L3

=> s l9(s)l4  
L24 0 L9(S) L4

=> s l9(s)l6  
L25 0 L9(S) L6

=> s l10(s)l2  
L26 17 L10(S) L2

=> s l10(s)l3  
L27 2 L10(S) L3

=> s l10(s)l4  
L28 0 L10(S) L4

=> s l10(s)l6  
L29 14 L10(S) L6

=> s l11(s)l2  
L30 0 L11(S) L2

=> s l11(s)l3  
L31 0 L11(S) L3

=> s l11(s)l4  
L32 0 L11(S) L4

=> s l11(s)l6  
L33 0 L11(S) L6

=> s l12(s)l2  
L34 13 L12(S) L2

=> s l12(s)l2  
L35 13 L12(S) L2

=> s l12(s)l3  
L36 2 L12(S) L3

=> s l12(s)l4  
L37 4 L12(S) L4

=> s l12(s)l6  
L38 74 L12(S) L6

=> s l13(s)l2  
L39 200 L13(S) L2

=> s l13(s)l3  
L40 15 L13(S) L3

=> s l13(s)l4  
L41 21 L13(S) L4

=> s l13(s)l6  
L42 77 L13(S) L6

=> s human  
SYSTEM LIMITS EXCEEDED - SEARCH ENDED  
SYSTEM LIMITS EXCEEDED - SEARCH ENDED  
COMMAND INTERRUPTED

If this message appears repeatedly, please notify the Help Desk.  
Enter "HELP STN" for information on contacting the nearest STN Help  
Desk by telephone or via SEND in the STNMAIL file.

=>

=> s human(s)l2

L43 119 HUMAN(S) L2

=> s human(s)l3  
L44 14 HUMAN(S) L3

=> s human(s)l4  
L45 7 HUMAN(S) L4

=> s human(s)l6  
L46 53 HUMAN(S) L6

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON  
18 JUL 2002

L1 0 S CASEIN ADJ PROMOTER  
L2 480 S CASEIN(2A)PROMOTER  
L3 17 S WHEY ACID(2A)PROMOTER  
L4 31 S ?LACTALBUMIN(2A)PROMOTER  
L5 0 S ?LACTOALBUMIN(2A)PROMOTER  
E LACTOALBUMIN  
E LACTALBUMIN  
L6 178 S LACTOGLOBULIN(2A)PROMOTER  
L7 678508 S PIG OR PORCINE  
L8 762760 S CATTLE OR COW OR BOVINE  
L9 135902 S HORSE OR EQUINE  
L10 71287 S GOAT  
L11 6428 S CAMEL  
L12 282040 S SHEEP OR OVINE  
L13 5324583 S RODENT OR MOUSE OR RAT OR MURINE  
L14 6 S L7(S)L2  
L15 0 S L7(S)L3  
L16 2 S L7(S)L4  
L17 1 S L7(S)L6  
L18 92 S L8(S)L2  
L19 1 S L8(S)L3  
L20 16 S L8(S)L4  
L21 24 S L8(S)L6  
L22 0 S L9(S)L2  
L23 0 S L9(S)L3  
L24 0 S L9(S)L4  
L25 0 S L9(S)L6  
L26 17 S L10(S)L2  
L27 2 S L10(S)L3  
L28 0 S L10(S)L4  
L29 14 S L10(S)L6  
L30 0 S L11(S)L2  
L31 0 S L11(S)L3  
L32 0 S L11(S)L4  
L33 0 S L11(S)L6  
L34 13 S L12(S)L2  
L35 13 S L12(S)L2  
L36 2 S L12(S)L3  
L37 4 S L12(S)L4  
L38 74 S L12(S)L6  
L39 200 S L13(S)L2  
L40 15 S L13(S)L3  
L41 21 S L13(S)L4  
L42 77 S L13(S)L6  
L43 119 S HUMAN(S)L2  
L44 14 S HUMAN(S)L3  
L45 7 S HUMAN(S)L4  
L46 53 S HUMAN(S)L6

=> s casein(2a)gene  
L47 1913 CASEIN(2A) GENE

=> whey acid(2a)gene  
WHEY IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (>).

=> s whey acid(2a)gene  
L48 27 WHEY ACID(2A) GENE

=> s lactalbumin(2a)gene  
L49 275 LACTALBUMIN(2A) GENE

=> lactoglobulin(2a)gene  
LACTOGLOBULIN(2A) GENE IS NOT A RECOGNIZED  
COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (>=).

=> s lactoglobulin(2a)gene  
L50 444 LACTOGLOBULIN(2A) GENE

=> s l7(s)l48  
L51 1 L7(S) L48

=> s l9(s)l47  
L52 0 L9(S) L47

=> s l9(s)l48  
L53 0 L9(S) L48

=> s l9(s)l49  
L54 0 L9(S) L49

=> s l9(s)l450  
L450 NOT FOUND

The L-number entered could not be found. To see the definition  
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (>=).

=> s l9(s)l50  
L55 6 L9(S) L50

=> s l10(s)l49  
L56 18 L10(S) L49

=> s l11(s)l47  
L57 2 L11(S) L47

=> s l11(s)l48  
L58 0 L11(S) L48

=> s l11(s)l49  
L59 2 L11(S) L49

=> s l11(s)l50  
L60 0 L11(S) L50

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON  
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L1 0 S CASEIN ADJ PROMOTER  
L2 480 S CASEIN(2A)PROMOTER  
L3 17 S WHEY ACID(2A)PROMOTER  
L4 31 S ?LACTALBUMIN(2A)PROMOTER  
L5 0 S ?LACTOALBUMIN(2A)PROMOTER  
E LACTOALBUMIN  
E LACTALBUMIN  
L6 178 S LACTOGLOBULIN(2A)PROMOTER  
L7 678508 S PIG OR PORCINE  
L8 762760 S CATTLE OR COW OR BOVINE  
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L12 282040 S SHEEP OR OVINE  
L13 5324583 S RODENT OR MOUSE OR RAT OR MURINE  
L14 6 S L7(S)L2

L15 0 S L7(S)L3  
L16 2 S L7(S)L4  
L17 1 S L7(S)L6  
L18 92 S L8(S)L2  
L19 1 S L8(S)L3  
L20 16 S L8(S)L4  
L21 24 S L8(S)L6  
L22 0 S L9(S)L2  
L23 0 S L9(S)L3  
L24 0 S L9(S)L4  
L25 0 S L9(S)L6  
L26 17 S L10(S)L2  
L27 2 S L10(S)L3  
L28 0 S L10(S)L4  
L29 14 S L10(S)L6  
L30 0 S L11(S)L2  
L31 0 S L11(S)L3  
L32 0 S L11(S)L4  
L33 0 S L11(S)L6  
L34 13 S L12(S)L2  
L35 13 S L12(S)L2  
L36 2 S L12(S)L3  
L37 4 S L12(S)L4  
L38 74 S L12(S)L6  
L39 200 S L13(S)L2  
L40 15 S L13(S)L3  
L41 21 S L13(S)L4  
L42 77 S L13(S)L6  
L43 119 S HUMAN(S)L2  
L44 14 S HUMAN(S)L3  
L45 7 S HUMAN(S)L4  
L46 53 S HUMAN(S)L6  
L47 1913 S CASEIN(2A)GENE  
L48 27 S WHEY ACID(2A)GENE  
L49 275 S LACTALBUMIN(2A)GENE  
L50 444 S LACTOGLOBULIN(2A)GENE  
L51 1 S L7(S)L48  
L52 0 S L9(S)L47  
L53 0 S L9(S)L48  
L54 0 S L9(S)L49  
L55 6 S L9(S)L50  
L56 18 S L10(S)L49  
L57 2 S L11(S)L47  
L58 0 S L11(S)L48  
L59 2 S L11(S)L49  
L60 0 S L11(S)L50

=> dup rem l14  
PROCESSING COMPLETED FOR L14  
L61 3 DUP REM L14 (3 DUPLICATES REMOVED)

=> d ti so 1-3

L61 ANSWER 1 OF 3 MEDLINE DUPLICATE 1  
TI A comparative study on the integration of exogenous DNA into  
mouse, rat,  
rabbit, and pig genomes.  
SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.  
Journal code: 9604830. ISSN: 1341-1357.

L61 ANSWER 2 OF 3 MEDLINE DUPLICATE 2  
TI Production of transgenic rabbits using centrifuged pronuclear  
zygotes.  
SO JOURNAL OF VETERINARY MEDICAL SCIENCE, (2000 Oct)  
62 (10) 1047-52.  
Journal code: 9105360. ISSN: 0916-7250.

L61 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS  
TI Cloning of promoter of .beta.-casein-coding gene from  
pig for production of useful proteins in milk of large transgenic  
animals  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF

=> d ibib ab 3

L61 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:238212 CAPLUS

DOCUMENT NUMBER: 126:221474

TITLE: Cloning of promoter of .beta.-casein  
-coding gene from pig for production of  
useful proteins in milk of large transgenic animals

INVENTOR(S): Sugawara, Hiroyuki; Ishama, Haruo; Wakae,  
Kazuo

PATENT ASSIGNEE(S): Terumo Corp, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09037786	A2	19970210	JP 1995-194613	19950731

AB Disclosed is a promoter-contg. DNA sequence of swine .beta.-casein-coding  
gene that is useful in directing gene expression in milk. Expression  
vectors contg. the promoter are claimed.

=> d ibib ab 2

L61 ANSWER 2 OF 3 MEDLINE DUPLICATE 2

ACCESSION NUMBER: 2001194236 MEDLINE

DOCUMENT NUMBER: 20523226 PubMed ID: 11073074

TITLE: Production of transgenic rabbits using centrifuged  
pronuclear zygotes.

AUTHOR: Hirabayashi M; Hirao M; Takahashi R; Kimura K;  
Hirasawa K;

Ueda M; Hochi S

CORPORATE SOURCE: YS New Technology Institute Inc,  
Shimotsuga-Gun, Tochigi,  
Japan.

SOURCE: JOURNAL OF VETERINARY MEDICAL  
SCIENCE, (2000 Oct) 62 (10)  
1047-52.

Journal code: 9105360. ISSN: 0916-7250.

PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200104

ENTRY DATE: Entered STN: 20010410

Last Updated on STN: 20010410

Entered Medline: 20010405

AB Superovulation of female rabbits was induced by subcutaneous  
injection(s)

of porcine FSH. Zygotes were recovered 17 to 19 hr after hCG  
injection and were classified into two categories under a microscope  
equipped with Nomarski interference-contrast optics at x 200  
magnification: (A) zygotes with clearly visible pronuclei, or (B)  
zygotes

with visualized pronuclei after 10 min centrifugation at 12,000 x g.

No

significant difference between strains was found in the proportion of  
category-A zygotes (JW 72.6% vs NZW 79.3%). Pronuclei of  
category-A

zygotes were located in the center of the cytoplasm, and the pronuclei  
of category-B zygotes were slightly moved by centrifugation toward the  
mass  
of cytoplasmic lipid droplets. Exogenous DNA solution (5 microg/ml  
of

fusion gene composed of bovine alphaS1-casein promoter  
and human growth hormone structural gene) was microinjected into  
the

pronucleus of the JW zygotes. The pronucleus of category-A zygotes  
with a

mean volume of 7.4 pl swelled up to 16.6 pl (132% increase), while

that of category-B zygotes with a mean volume of 6.1 pl swelled up to 15.9

pl (148% increase). Nevertheless, similar proportions of category-A and  
category-B zygotes developed into offspring after transfer to recipient  
females (11.1 and 11.2%, respectively). The efficiency to produce  
hGH-carrying transgenic rabbits was 0.9% (2/235) from category-A  
zygotes

and 0.5% (1/215) from category-B zygotes (P>0.05). To date,

transgenic

rabbits have been produced without centrifugation of pronuclear  
zygotes.

However approximately 25% of fertilized rabbit zygotes can be used  
for DNA

microinjection after they have been centrifuged to visualize their  
pronuclei.

=> dup rem 116

PROCESSING COMPLETED FOR L16

L62 2 DUP REM L16 (0 DUPLICATES REMOVED)

=> d ti so 1-2

L62 ANSWER 1 OF 2 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.

TI Production of transgenic pigs and mice containing the gene  
encoding human insulin-like growth factor I (IGF-I) under control of  
the  
bovine alpha-lactalbumin promoter and regulatory  
regions.

SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213.

Meeting Info.: Joint Meeting of the American Dairy Science  
Association and

the American Society of Animal Science Denver, Colorado, USA

July 28-31,

1998 Amercian Society of Animal Science

ISSN: 0022-0302.

L62 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

TI DNA sequence of the porcine .alpha.-lactalbumin 5' flanking region

and

single-base polymorphisms within this region

SO Anim. Genet. (1995), 26(2), 101-3

CODEN: ANGEE3; ISSN: 0268-9146

=> d ibib ab 2

L62 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:618322 CAPLUS

DOCUMENT NUMBER: 123:134508

TITLE: DNA sequence of the porcine .alpha.-lactalbumin 5'  
flanking region and single-base polymorphisms within  
this region

AUTHOR(S): Bleck, G T.; Johnson-Roberts, D L.; Jimenez-  
Flores,

R.; Wheeler, M B.

CORPORATE SOURCE: Laboratory Molecular Embryology,  
University Illinois,

Urbana, IL, 61801, USA

SOURCE: Anim. Genet. (1995), 26(2), 101-3

CODEN: ANGEE3; ISSN: 0268-9146

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The 5' flanking region of the .alpha.-lactalbumin (.alpha.-LA) gene  
was

sequenced for the Duroc, Yorkshire and Meishan breeds of swine to

identify

potential sequence variants within this regulatory region of the

porcine

.alpha.-LA gene. The sequenced region of the gene encompasses 391bp5' of the translation start site to 11bp3' of the translation start site. Within this sequence of the porcine .alpha.-LA gene two single-base pair differences were detected. One variant occurs at position -178 and the other at position -235 from the translation start site. Each of the variations can be detected by a restriction fragment length polymorphism within a polymerase chain reaction amplified product. The polymorphisms at the -178 and -235 positions appear to be genetically linked in the animals that have been analyzed.

=> dup rem l21

PROCESSING COMPLETED FOR L21

L63 11 DUP REM L21 (13 DUPLICATES REMOVED)

=> d ti so 1-11

L63 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Transgenic non-human mammals expressing human coagulation factor VIII and

von Willebrand factor.  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.  
ISSN: 0098-1133.

L63 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1  
TI Sequence analysis of beta-lactoglobulin promoter in Korean cattle.  
SO Journal of Animal Science and Technology, (August, 2000) Vol. 42, No. 4,  
pp. 443-450. print.  
ISSN: 0367-5807.

L63 ANSWER 3 OF 11 MEDLINE DUPLICATE 2  
TI Expression of a functional mouse-human chimeric anti-CD19 antibody in the milk of transgenic mice.  
SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.  
Journal code: 9209120. ISSN: 0962-8819.

L63 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of human growth hormone by expressing it in mammary glands of transgenic animals  
SO Faming Zhanli Shenqing Gongkai Shuomingshu, 20 pp.  
CODEN: CNXXEV

L63 ANSWER 5 OF 11 MEDLINE DUPLICATE 3  
TI Differential expression of bovine beta-lactoglobulin A and B promoter variants in transiently transfected HC11 cells.  
SO JOURNAL OF DAIRY RESEARCH, (1999 Nov) 66 (4) 537-44.  
Journal code: 2985125R. ISSN: 0022-0299.

L63 ANSWER 6 OF 11 MEDLINE DUPLICATE 4  
TI Use of doxycycline-controlled gene expression to reversibly alter milk-protein composition in transgenic mice.  
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260 (2) 533-9.  
Journal code: 0107600. ISSN: 0014-2956.

L63 ANSWER 7 OF 11 MEDLINE DUPLICATE 5  
TI Polymorphisms of bovine beta-lactoglobulin promoter and differences in the binding affinity of activator protein-2 transcription factor.

SO JOURNAL OF DAIRY SCIENCE, (1997 Jul) 80 (7) 1389-97.  
Journal code: 2985126R. ISSN: 0022-0302.

L63 ANSWER 8 OF 11 MEDLINE DUPLICATE 6  
TI Targeted expression of MDM2 uncouples S phase from mitosis and inhibits

mammary gland development independent of p53.  
SO GENES AND DEVELOPMENT, (1997 Mar 15) 11 (6) 714-25.  
Journal code: 8711660. ISSN: 0890-9369.

L63 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS  
TI Polymorphism in the 5' flanking region of the bovine-lactoglobulin-encoding gene and its association with .beta.-lactoglobulin in the milk  
SO Journal of Animal Breeding and Genetics (1997), 114(1), 49-53  
CODEN: JABAE8; ISSN: 0931-2668

L63 ANSWER 10 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Functional analysis of the differential expression of bovine beta-lactoglobulin A and B promoter variants in transient transfection of HC11 cells.

SO Animal Genetics, (1996) Vol. 27, No. SUPPL. 2, pp. 90.  
Meeting Info.: 25th International Conference on Animal Genetics Tours,  
France July 21-25, 1996  
ISSN: 0268-9146.

L63 ANSWER 11 OF 11 MEDLINE DUPLICATE 7  
TI Epithelial proliferation and differentiation in the mammary gland do not correlate with cFABP gene expression during early pregnancy.  
SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.  
Journal code: 7909963. ISSN: 0192-253X.

=> dup rem l18

PROCESSING COMPLETED FOR L18

L64 53 DUP REM L18 (39 DUPLICATES REMOVED)

=> d ti so 1-53

L64 ANSWER 1 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI C1 inhibitor produced in the milk of transgenic mammals

SO PCT Int. Appl., 47 pp.

CODEN: PIXXD2

L64 ANSWER 2 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Immune tolerant transgenic rats secreting human growth hormone into milk  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF

L64 ANSWER 3 OF 53 MEDLINE DUPLICATE 1  
TI The milk protein promoter is a useful tool for developing a rat with tolerance to a human protein.  
SO TRANSGENIC RESEARCH, (2001 Dec) 10 (6) 571-5.  
Journal code: 9209120. ISSN: 0962-8819.

L64 ANSWER 4 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Recombinant expression of human tissue plasminogen activator in transgenic mice milk regulated by bovine .alpha.-s1-casein gene promoter and Poly(A) signal  
SO Yichuan Xuebao (2001), 28(5), 405-410  
CODEN: ICHPCG; ISSN: 0379-4172

L64 ANSWER 5 OF 53 MEDLINE DUPLICATE 2  
TI Production of transgenic rats using young Sprague-Dawley females treated with PMSG and hCG.  
SO EXPERIMENTAL ANIMALS, (2001 Oct) 50 (5) 365-9.  
Journal code: 9604830. ISSN: 1341-1357.

L64 ANSWER 6 OF 53 MEDLINE DUPLICATE 3  
TI Nuclear transfer in cattle with non-transfected and transfected fetal  
or  
cloned transgenic fetal and postnatal fibroblasts.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (2001  
Nov) 60 (3) 362-9.  
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 7 OF 53 MEDLINE DUPLICATE 4  
TI Effects of cryopreservation of pronuclear-stage rabbit zygotes on the  
morphological survival, blastocyst formation, and full-term  
development  
after DNA microinjection.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (2001  
Oct) 60 (2) 227-32.  
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 8 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI t-PA cDNA expression regulated by linking promoter in mammary  
gland  
SO Henan Nongye Daxue Xuebao (2001), 35(2), 188-191  
CODEN: HNDAEJ; ISSN: 1000-2340

L64 ANSWER 9 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic mice carrying a gene for green fluorescent protein fused  
to a  
lytic peptide, Shiva 1, under control of the bovine .beta.-casein  
regulatory region  
SO Transgenics (2001), 3(2-4), 183-197  
CODEN: TADTEF; ISSN: 1023-6171

L64 ANSWER 10 OF 53 MEDLINE DUPLICATE 5  
TI A comparative study on the integration of exogenous DNA into  
mouse, rat,  
rabbit, and pig genomes.  
SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.  
Journal code: 9604830. ISSN: 1341-1357.

L64 ANSWER 11 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Mammary gland tissue-specific expression system using .beta.-  
casein  
promoter site of korean native goat  
SO PCT Int. Appl., 48 pp.  
CODEN: PIXXD2

L64 ANSWER 12 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Genomic human lactoferrin sequence induced high levels of protein  
expression in milk of transgenic mice.  
SO Shimazaki, Kei-ichi; Tsuda, Hiroyuki; Tomita, Mamoru; Kuwata,  
Tarnotsu;  
Perraudin, Jean-Paul. International Congress Series, (2000) No. 1195,  
pp.  
279-288. International Congress Series; Lactoferrin: Structure,  
function  
and applications. print.  
Publisher: Elsevier Science B.V. Sara Burgerhartstraat 25, 1000 AE,  
Amsterdam, Netherlands.  
Meeting Info: 4th International Conference on Lactoferrin:  
Structure,  
function and applications Sapporo, Japan May 18-22, 1999  
ISSN: 0531-5131. ISBN: 0-444-50317-X (cloth).

L64 ANSWER 13 OF 53 MEDLINE DUPLICATE 6  
TI Production of transgenic rabbits using centrifuged pronuclear  
zygotes.  
SO JOURNAL OF VETERINARY MEDICAL SCIENCE, (2000 Oct)  
62 (10) 1047-52.  
Journal code: 9105360. ISSN: 0916-7250.

L64 ANSWER 14 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Associations between polymorphism within regulatory and coding

fragments  
of bovine kappa-casein gene and milk performance traits.  
SO Journal of Animal and Feed Sciences, (2000) Vol. 9, No. 3, pp.  
435-446.  
print.  
ISSN: 1230-1388.

L64 ANSWER 15 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Multiple cis-acting elements regulated tissue type plasminogen  
activator  
cDNA expression in mammary gland of rabbit  
SO Zhongguo Shouyi Xuebao (2000), 20(4), 352-355  
CODEN: ZXUF5; ISSN: 1005-4545

L64 ANSWER 16 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Genomic human lactoferrin sequence induced high levels of protein  
expression in milk of transgenic mice  
SO International Congress Series (2000), 1195(Lactoferrin: Structure,  
Function and Applications), 279-288  
CODEN: EXMDA4; ISSN: 0531-5131

L64 ANSWER 17 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Growth of Bifidobacterium bifidum in whey-based media.  
SO Journal of Industrial Microbiology & Biotechnology, (October,  
2000) Vol.  
25, No. 4, pp. 177-179. print.  
ISSN: 1367-5435.

L64 ANSWER 18 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.DUPLICATE  
7  
TI Comparison of selected gene polymorphisms in Polish Red and  
Polish  
Black-and-White cattle.  
SO Animal Science Papers and Reports, (2000) Vol. 18, No. 2, pp.  
107-116.  
print.  
ISSN: 0860-4037.

L64 ANSWER 19 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI SSCP polymorphism within a promoter of the bovine alpha S1  
casein gene.  
SO Journal of Animal and Feed Sciences, (2000) Vol. 9, No. 1, pp. 73-  
79.  
print.  
ISSN: 1230-1388.

L64 ANSWER 20 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Analysis of the sequence on the promoter of .kappa.-  
casein gene in Korean native cattle and Holsteins  
SO Nongop Kwahak Yongu (Chungnam Taehakkyo) (2000), 27(1), 33-  
38  
CODEN: NKYOE7; ISSN: 1225-2220

L64 ANSWER 21 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Expression and characterization of bioactive human thrombopoietin  
in the  
milk of transgenic mice  
SO DNA and Cell Biology (1999), 18(11), 845-852  
CODEN: DCEBE8; ISSN: 1044-5498

L64 ANSWER 22 OF 53 MEDLINE DUPLICATE 8  
TI High-level expression of human lactoferrin in milk of transgenic  
mice  
using genomic lactoferrin sequence.  
SO JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5.  
Journal code: 0376600. ISSN: 0021-924X.

L64 ANSWER 23 OF 53 MEDLINE DUPLICATE 9  
TI A hybrid bovine beta-casein/bGH gene directs transgene expression  
to the  
lung and mammary gland of transgenic mice.

SO TRANSGENIC RESEARCH, (1999 Aug) 8 (4) 307-11.  
Journal code: 9209120. ISSN: 0962-8819.

L64 ANSWER 24 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Bovine .beta.-casein gene promoter activity  
and hormonal induction of its expression in a mammary epithelial  
cell line  
SO Transgenics (1999), 3(1), 23-29  
CODEN: TADTEF; ISSN: 1023-6171

L64 ANSWER 25 OF 53 MEDLINE DUPLICATE 10  
TI Analysis of control elements for position-independent expression of  
human  
alpha-lactalbumin YAC.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999  
Sep) 54 (1) 17-23.  
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 26 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.DUPLICATE  
11  
TI Is lactoferrin a transcription factor? Computer-assisted search for  
potential target genes and analysis of a sequence-specific DNA  
binding.  
SO Animal Science Papers and Reports, (1999) Vol. 17, No. 1, pp. 5-  
21.  
ISSN: 0860-4037.

L64 ANSWER 27 OF 53 MEDLINE DUPLICATE 12  
TI Recombinant human acid alpha-glucosidase: high level production  
in mouse  
milk, biochemical characteristics, correction of enzyme deficiency in  
GSDII KO mice.  
SO HUMAN MOLECULAR GENETICS, (1998 Oct) 7 (11) 1815-24.  
Journal code: 9208958. ISSN: 0964-6906.

L64 ANSWER 28 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Expression and regulation of hFIX minigene and cDNA driven by  
beta-casein  
gene in mouse mammary gland.  
SO Science in China Series C Life Sciences, (Aug., 1998) Vol. 41, No.  
4, pp.  
406-412.  
ISSN: 1006-9305.

L64 ANSWER 29 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI mammary gland bioreactor for human clotting factor IX  
SO Fudan Xuebao, Ziran Kexueban (1998), 37(4), 365-371  
CODEN: FHPTAY; ISSN: 0427-7104

L64 ANSWER 30 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Transgenic mice carrying a gene for green fluorescent protein fused  
to  
lytic peptide Shiva 1 under control of the bovine beta-casein  
regulatory  
region.  
SO Molecular Biology of the Cell, (Nov., 1998) Vol. 9, No. SUPPL.,  
pp. 318A.  
Meeting Info.: 38th Annual Meeting of the American Society for Cell  
Biology San Francisco, California, USA December 12-16, 1998  
American  
Society for Cell Biology  
ISSN: 1059-1524.

L64 ANSWER 31 OF 53 MEDLINE DUPLICATE 13  
TI Accurate spatial and temporal transgene expression driven by a  
3.8-kilobase promoter of the bovine beta-casein gene in the lactating  
mouse mammary gland.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1998  
Mar) 49 (3) 236-45.  
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 32 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Cloning of human genomic lactoferrin sequence and expression in  
the  
mammary glands of transgenic animals  
SO Advances in Experimental Medicine and Biology (1998),  
443(Advances in  
Lactoferrin Research), 79-83  
CODEN: AEMBAP; ISSN: 0065-2598

L64 ANSWER 33 OF 53 MEDLINE DUPLICATE 14  
TI The short form of the prolactin (PRL) receptor silences PRL  
induction of  
the beta-casein gene promoter.  
SO MOLECULAR ENDOCRINOLOGY, (1997 Sep) 11 (10) 1449-57.  
Journal code: 8801431. ISSN: 0888-8809.

L64 ANSWER 34 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Molecular cloning and sequencing of 5' flanking region of bovine  
.alpha.S1  
casein gene  
SO Yichuan (1997), 19(1), 4-8  
CODEN: ICHUDW; ISSN: 0253-9772

L64 ANSWER 35 OF 53 MEDLINE DUPLICATE 15  
TI Characterization of the bovine kappa-casein gene  
promoter.  
SO BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY,  
(1996 Dec) 60 (12) 1937-40.  
Journal code: 9205717. ISSN: 0916-8451.

L64 ANSWER 36 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Factors affecting in vivo viability of DNA-injected bovine  
blastocysts  
produced in vitro.  
SO Theriogenology, (1996) Vol. 46, No. 5, pp. 769-778.  
ISSN: 0093-691X.

L64 ANSWER 37 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Transfection of bovine beta-casein driven expression vector for a  
lytic  
peptide fusion protein and hormonal induction of its expression of  
green  
fluorescent protein in mouse mammary epithelial cells.  
SO Molecular Biology of the Cell, (1996) Vol. 7, No. SUPPL., pp.  
471A.  
Meeting Info.: Annual Meeting of the 6th International Congress on  
Cell  
Biology and the 36th American Society for Cell Biology San  
Francisco,  
California, USA December 7-11, 1996  
ISSN: 1059-1524.

L64 ANSWER 38 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Polymorphisms in the bovine .beta.-casein 5' flanking region  
SO J. Dairy Sci. (1996), 79(3), 347-9  
CODEN: JDSCAE; ISSN: 0022-0302

L64 ANSWER 39 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Defining candidate genes for mastitis resistance in cattle: The role of  
lactoferrin and lysozyme.  
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-  
5, pp.  
269-276.  
ISSN: 0931-2668.

L64 ANSWER 40 OF 53 MEDLINE DUPLICATE 16  
TI Transgene expression in mammary glands of newborn rats.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1996  
Feb) 43 (2) 145-9.  
Journal code: 8903333. ISSN: 1040-452X.

L64 ANSWER 41 OF 53 MEDLINE DUPLICATE 17  
TI Functional activity of the human prolactin receptor and its ligands.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Oct 30) 114 (1-2) 91-9.  
Journal code: 7500844. ISSN: 0303-7207.

L64 ANSWER 42 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Bovine beta-casein (BBC) gene promoter activity and hormonal induction (HI) of its expression in mammary epithelial cell (MEC) line.  
SO FASEB Journal, (1995) Vol. 9, No. 3, pp. A83.  
Meeting Info.: Experimental Biology '95, Part I Atlanta, Georgia, USA April 9-13, 1995  
ISSN: 0892-6638.

L64 ANSWER 43 OF 53 MEDLINE DUPLICATE 18  
TI Isolation and culture of bovine mammary epithelial cells and establishment of gene transfection conditions in the cells.  
SO BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY, (1995 Jan) 59 (1) 59-64.  
Journal code: 9205717. ISSN: 0916-8451.

L64 ANSWER 44 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

19  
TI Production of transgenic mice and rabbits that carry and express the human tissue plasminogen activator cDNA under the control of a bovine alpha S1 casein promoter.  
SO Theriogenology, (1993) Vol. 39, No. 5, pp. 1173-1185.  
ISSN: 0093-691X.

L64 ANSWER 45 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Characterization of the bovine .alpha.S1-casein gene C-allele, based on a MaellII polymorphism  
SO Anim. Genet. (1993), 24(1), 74  
CODEN: ANGEE3; ISSN: 0268-9146

L64 ANSWER 46 OF 53 MEDLINE DUPLICATE 20  
TI Mammary gland-specific nuclear factor is present in lactating rodent and bovine mammary tissue and composed of a single polypeptide of 89 kDa.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 15) 267 (23) 16365-70.  
Journal code: 2985121R. ISSN: 0021-9258.

L64 ANSWER 47 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Multiple octamer binding sites in the promoter region of the bovine .alpha.s2-casein gene  
SO Nucleic Acids Res. (1992), 20(16), 4311-18  
CODEN: NARHAD; ISSN: 0305-1048

L64 ANSWER 48 OF 53 MEDLINE DUPLICATE 21  
TI A novel transcriptional enhancer is involved in the prolactin- and extracellular matrix-dependent regulation of beta-casein gene expression.  
SO MOLECULAR BIOLOGY OF THE CELL, (1992 Jun) 3 (6) 699-709.  
Journal code: 9201390. ISSN: 1059-1524.

L64 ANSWER 49 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Production of heterologous polypeptides by recombinant cattle and transgenic methods  
SO PCT Int. Appl., 121 pp.  
CODEN: PIXXD2

L64 ANSWER 50 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI DNA constructs for expression of proteins in the mammary gland of transgenic mammals.

SO Eur. Pat. Appl., 41 pp.  
CODEN: EPXXDW

L64 ANSWER 51 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Extracellular matrix and hormones transcriptionally regulate bovine .beta.-casein 5' sequences in stably transfected mouse mammary cells  
SO Proc. Natl. Acad. Sci. U. S. A. (1990), 87(23), 9118-22  
CODEN: PNASA6; ISSN: 0027-8424

L64 ANSWER 52 OF 53 CAPLUS COPYRIGHT 2002 ACS  
TI Expression of bovine .beta.-casein in *Saccharomyces cerevisiae* and characterization of the protein produced *in vivo*  
SO J. Agric. Food Chem. (1990), 38(4), 1134-41  
CODEN: JAFCAU; ISSN: 0021-8561

L64 ANSWER 53 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

22  
TI IDENTIFICATION OF THE BINDING SITES OF NUCLEAR FACTOR 1 IN THE AREA OF BOVINE BETA CASEIN GENE.  
SO DOKL AKAD NAUK SSSR, (1990) 315 (4), 997-1000.  
CODEN: DANKAS. ISSN: 0002-3264.

=> d ibib ab 50,49,35,34,24

L64 ANSWER 50 OF 53 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1992:52980 CAPLUS  
DOCUMENT NUMBER: 116:52980

TITLE: DNA constructs for expression of proteins in the mammary gland of transgenic mammals.

INVENTOR(S): Hartl, Peter; Brem, Gottfried  
PATENT ASSIGNEE(S): Consortium fuer Elektrochemische Industrie G.m.b.H.,

Germany

SOURCE: Eur. Pat. Appl., 41 pp.  
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 451823	A2	19911016	EP 1991-105702	19910410
EP 451823	A3	19920122	R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE	
DE 4012526	A1	19911114	DE 1990-4012526	19900419
JP 04365487	A2	19921217	JP 1991-74897	19910408
CA 2040178	AA	19911012	CA 1991-2040178	19910410
AU 9174233	A1	19911017	AU 1991-74233	19910410
HU 58817	A2	19920330	HU 1991-1190	19910411
			DE 1990-4011751	19900411
			DE 1990-4012526	19900419

PRIORITY APPLN. INFO.: AB Expression plasmids for use in the manuf. of heterologous proteins in milk

have an expression cassette contg. a casein gene promoter and signal sequence. The bovine .alpha.-S1 casein gene was cloned from a Sau3AI

partial bank in EMBL3 using amino acid sequence-derived probes.

A bovine rennin gene was placed under control of the casein gene promoter and the casein gene signal sequence was used to direct secretion of the rennin into the milk. Expression of the gene in transgenic rabbits resulted in the recovery of milk that coagulated after incubating at pH 2.5 to allow self-activation of rennin.

L64 ANSWER 49 OF 53 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1991:625431 CAPLUS  
DOCUMENT NUMBER: 115:225431

TITLE: Production of heterologous polypeptides by recombinant

cattle and transgenic methods  
INVENTOR(S): Heyneker, Herbert L.; Deboer, Herman A.;  
Strijker,  
Rein; Plantenburg, Gerard; Lee, Sang He  
PATENT ASSIGNEE(S): Genpharm International, Inc., USA  
SOURCE: PCT Int. Appl., 121 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9108216	A1	19910613	WO 1990-US6874	19901130
W: AU, BR, CA, FI, JP, KR, LK, MC, NO, SU R: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
CA 2075206	AA	19910602	CA 1990-2075206	19901130
AU 9169608	A1	19910626	AU 1991-69608	19901130
AU 656720	B2	19950216		
EP 502976	A1	19920916	EP 1991-901026	19901130
EP 502976	B1	19960703		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE AT 140027	E	19960715	AT 1991-901026	19901130
EP 737746	A2	19961016	EP 1995-203326	19901130
EP 737746	A3	19961023		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE ES 2090299	T3	19961016	ES 1991-901026	19901130
RU 2095414	C1	19971110	RU 1990-5052392	19901130
CN 1053446	A	19910731	CN 1990-109733	19901201
NO 9202996	A	19920729	NO 1992-2996	19920729
FI 9203485	A	19920731	FI 1992-3485	19920731
US 5633076	A	19970527	US 1993-154019	19931116
US 5741957	A	19980421	US 1995-461333	19950605
US 6013857	A	20000111	US 1995-464167	19950605
US 6140552	A	20001031	US 1995-476798	19950607
US 6066725	A	20000523	US 1998-158313	19980921
PRIORITY APPLN. INFO.:			US 1989-444745	A 19891201
		US 1990-619131	A 19901127	
		EP 1991-901026	A3 19901130	
		WO 1990-US6874	A 19901130	
		US 1992-898956	B2 19920615	
		US 1993-77788	B2 19930615	
		US 1993-154019	A3 19931116	
		US 1995-476798	A1 19950607	

AB A method for prep. transgenic cows which secrete recombinant proteins into their milk is described. The gene to be expressed in mammary tissue is fused to a mammary tissue-specific promoter, e.g. that of the casein gene, a signal sequence, and a 3' flanking sequence functional in cattle.

The chimeric gene is first methylated, e.g. by cloning it in a prokaryotic host. Fertilized oocytes are then transformed with this gene, and the fertilized oocytes are cultured to the preimplantation embryo stage.

A cell is removed from the embryo to test for the presence of the desired gene: the chimeric methylated gene is resistant to restriction endonuclease cleavage. The hemiembryo remaining after removing the cell is cloned to prep. multiple embryos which are implanted into a cow to produce transgenic offspring. The milk from the transgenic cows can be used in food formulations, esp. infant formulas. A chimeric gene comprising human lactoferrin cDNA flanked by bovine .alpha.S1-casein promoter and signal sequence and 3' regions was prep. Transgenic cows secreting lactoferrin into their milk were produced using this gene according to the above procedure.

L64 ANSWER 35 OF 53 MEDLINE DUPLICATE 15  
ACCESSION NUMBER: 97142507 MEDLINE  
DOCUMENT NUMBER: 97142507 PubMed ID: 8988626  
TITLE: Characterization of the bovine kappa-casein gene promoter.  
AUTHOR: Adachi T; Ahn J Y; Yamamoto K; Aoki N; Nakamura R; Matsuda T  
CORPORATE SOURCE: Department of Applied Biological Sciences, School of Agricultural Sciences, Nagoya University, Japan.. 145231a@nucc.cc.nagoya-u.ac.jp  
SOURCE: BIOSCIENCE, BIOTECHNOLOGY, AND BIOCHEMISTRY, (1996 Dec) 60 (12) 1937-40.  
Journal code: 9205717. ISSN: 0916-8451.  
PUB. COUNTRY: Japan  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Biotechnology  
ENTRY MONTH: 199702  
ENTRY DATE: Entered STN: 19970305  
Last Updated on STN: 19970305  
Entered Medline: 19970220  
AB kappa-Casein gene promoter was localized within a 570-bp fragment (-552/+18) of a 5'-flanking region by the gene transfection assay. Deletion mutation analysis in mammary epithelial cell line, HC11, suggested that there are regulatory element in a region from -439 through -125. Some nuclear proteins from lactating rat mammary gland bind to this region specifically. One of them expressed preferentially during pregnancy bound to a 132-bp fragment (-439/-308) and another expressed preferentially during lactation bound to a 183-bp fragment (-307/-125).

L64 ANSWER 34 OF 53 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1997:532914 CAPLUS  
DOCUMENT NUMBER: 127:230164  
TITLE: Molecular cloning and sequencing of 5' flanking region of bovine .alpha.S1 casein gene  
AUTHOR(S): Li, Ning; Wu, Changxin; Chen, Yongfu  
CORPORATE SOURCE: Natl. Lab. Agrobiotechnol., China Agric. Univ., Beijing, 100094, Peop. Rep. China  
SOURCE: Yichuan (1997), 19(1), 4-8  
CODEN: ICHUDW; ISSN: 0253-9772  
PUBLISHER: Kexue  
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese  
AB A recombinant bacteriophage contg. the 5' flanking region of bovine .alpha.S1 casein gene was isolated from a bovine genomic library constructed with bacteriophage .lambda.EMBL3. The nucleotide sequence ranging from +298 to -1082 of bovine .alpha.S1 casein gene was detd. with a DNA sequencer. The putative binding sites of mammary gland specific transcriptional factors and general nuclear transcriptional factors in bovine .alpha.S1 casein gene were detd. by consensus sequence comparison with other milk genes from bovine and other animal species. The potential utilization of bovine .alpha.S1 casein gene promoter is discussed.

L64 ANSWER 24 OF 53 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2000:55011 CAPLUS  
DOCUMENT NUMBER: 132:232285  
TITLE: Bovine .beta.-casein gene

AUTHOR(S): Ashktorab, H.; Reed, W. A.; Thonabulsombat, C.; White, K. L.

CORPORATE SOURCE: Department of Animal, Dairy and Veterinary Sciences, Biotechnology Center, Utah State University, Logan, UT, 84322-4815, USA

SOURCE: Transgenics (1999), 3(1), 23-29  
CODEN: TADTEF; ISSN: 1023-6171

PUBLISHER: Harwood Academic Publishers

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Caseins are the most abundant milk proteins. During lactation, high amounts

of milk protein are produced in mammary epithelial cells under the regulation of lactogenic hormones. We have investigated hormonal induction of the bovine .beta.-casein gene promoter in the mouse mammary epithelial cell line HC11. A fragment of the promoter contg. -310 to +140 bp of 5' flanking sequence

was placed upstream of the chloramphenicol acetyl transferase reporter

gene and stably transfected by lipofectin into HC11 cells. The expression of the .beta.-casein-chloramphenicol acetyl transferase chimeric gene needed the synergistic action of insulin, hydrocortisone, and prolactin.

The chloramphenicol acetyl transferase activity was 6.8-fold greater in hormonally induced vs. uninduced transfected cells as measured by a fluor

diffusion assay using whole cell lysates. However, no hormonal induction

was detected on the expression of the chloramphenicol acetyl transferase

gene under control of the Simian virus-40 early promoter. The DNA sequence of the 5' flanking region of the bovine .beta.-casein promoter is conserved in several species, confirming its importance in the regulation of milk gene transcription.

These results identify the location of the hormone regulatory region in

bovine .beta.-casein gene and confirm control of its expression by a mouse mammary epithelial cell line.

REFERENCE COUNT: 21 THERE ARE 21 CITED

REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

=> log hold

COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 180.64 181.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
SINCE FILE TOTAL

ENTRY SESSION  
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PASSWORD:

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SESSION RESUMED IN FILE 'MEDLINE, BIOSIS, CAPLUS' AT

09:42:52 ON 18 JUL 2002

FILE 'MEDLINE' ENTERED AT 09:42:52 ON 18 JUL 2002

FILE 'BIOSIS' ENTERED AT 09:42:52 ON 18 JUL 2002

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
SINCE FILE TOTAL

CA SUBSCRIBER PRICE	ENTRY	SESSION
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=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002

L1	0 S CASEIN ADJ PROMOTER
L2	480 S CASEIN(2A)PROMOTER
L3	17 S WHEY ACID(2A)PROMOTER
L4	31 S ?LACTALBUMIN(2A)PROMOTER
L5	0 S ?LACTOALBUMIN(2A)PROMOTER
	E LACTOALBUMIN
	E LACTALBUMIN
L6	178 S LACTOGLOBULIN(2A)PROMOTER
L7	678508 S PIG OR PORCINE
L8	762760 S CATTLE OR COW OR BOVINE
L9	135902 S HORSE OR EQUINE
L10	71287 S GOAT
L11	6428 S CAMEL
L12	282040 S SHEEP OR OVINE
L13	5324583 S RODENT OR MOUSE OR RAT OR MURINE
L14	6 S L7(S)L2
L15	0 S L7(S)L3
L16	2 S L7(S)L4
L17	1 S L7(S)L6
L18	92 S L8(S)L2
L19	1 S L8(S)L3
L20	16 S L8(S)L4
L21	24 S L8(S)L6
L22	0 S L9(S)L2
L23	0 S L9(S)L3
L24	0 S L9(S)L4
L25	0 S L9(S)L6
L26	17 S L10(S)L2
L27	2 S L10(S)L3
L28	0 S L10(S)L4
L29	14 S L10(S)L6
L30	0 S L11(S)L2
L31	0 S L11(S)L3
L32	0 S L11(S)L4
L33	0 S L11(S)L6
L34	13 S L12(S)L2
L35	13 S L12(S)L3
L36	2 S L12(S)L3
L37	4 S L12(S)L4
L38	74 S L12(S)L6
L39	200 S L13(S)L2
L40	15 S L13(S)L3
L41	21 S L13(S)L4
L42	77 S L13(S)L6
L43	119 S HUMAN(S)L2
L44	14 S HUMAN(S)L3
L45	7 S HUMAN(S)L4
L46	53 S HUMAN(S)L6

L47 1913 S CASEIN(2A)GENE  
 L48 27 S WHEY ACID(2A)GENE  
 L49 275 S LACTALBUMIN(2A)GENE  
 L50 444 S LACTOGLOBULIN(2A)GENE  
 L51 1 S L7(S)L48  
 L52 0 S L9(S)L47  
 L53 0 S L9(S)L48  
 L54 0 S L9(S)L49  
 L55 6 S L9(S)L50  
 L56 18 S L10(S)L49  
 L57 2 S L11(S)L47  
 L58 0 S L11(S)L48  
 L59 2 S L11(S)L49  
 L60 0 S L11(S)L50  
 L61 3 DUP REM L14 (3 DUPLICATES REMOVED)  
 L62 2 DUP REM L16 (0 DUPLICATES REMOVED)  
 L63 11 DUP REM L21 (13 DUPLICATES REMOVED)  
 L64 53 DUP REM L18 (39 DUPLICATES REMOVED)

=> dup rem l19

PROCESSING COMPLETED FOR L19

L65 1 DUP REM L19 (0 DUPLICATES REMOVED)

=> d ti so

L65 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS  
 TI The effect of matrix attached regions (MAR) and specialized  
 chromatin  
 structure (SCS) on the expression of gene constructs in cultured cells  
 and  
 in transgenic mice  
 SO Mol. Biol. Rep. (1996), Volume Date 1995-1996, 22(1), 37-46  
 CODEN: MLBRBU; ISSN: 0301-4851

=> d ibib ab

L65 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1996:499830 CAPLUS  
 DOCUMENT NUMBER: 125:134741  
 TITLE: The effect of matrix attached regions (MAR) and  
 specialized chromatin structure (SCS) on the  
 expression of gene constructs in cultured cells and in  
 transgenic mice  
 AUTHOR(S): Attal, Joe; Cajero-Juarez, Marco; Petitclerc,  
 Denis;  
 Theron, Marie-Claire; Stinnakre, Marie-Georges;  
 Bearzotti, Monique; Kann, Guy; Houdebine, Louise-  
 Marie  
 CORPORATE SOURCE: Unite Differentiation Cell., Lennoxville,  
 PQ, J1M 123, Can.  
 SOURCE: Mol. Biol. Rep. (1996), Volume Date 1995-1996,  
 22(1), 37-46  
 CODEN: MLBRBU; ISSN: 0301-4851

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The flanking sequences of several genes have been shown to direct  
 a position-independent expression of transgenes. Attempts to  
 completely identify the insulating sequences have failed so far. Some of these  
 sequences contain a matrix attached region (MAR) located on the  
 flanking part of the genes. This article will show that the MARs in cultured  
 cells located in the 3' OH region of the human apolipoprotein B100 (Apo  
 B100) and within the SV40 genome were unable to stimulate and insulate  
 transgene expression directed by the promoters from a rabbit whey acidic  
 protein (WAP) gene or from human cytomegalovirus (hCMV) early genes.

In

transgenic mice, the MAR from the APO B100 and SV40 genes did  
 not enhance

the expression of a transgene contg. the rabbit whey  
 acid protein (WAP) promoter, the late gene SV40 intron  
 (VP1 intron), the bovine growth hormone (bGH) cDNA and the  
 SV40

late gene terminator. This construct was even toxic for embryos.  
 Similarly, the specialized chromatin structure (SCS) from the

Drosophila

87A7 HSP70 gene reduced chloramphenicol acetyl transferase (CAT)  
 activity when added between a cytomegalovirus (CMV) enhancer and a  
 Herpes simplex thymidine kinase (TK) gene promoter. This inhibitory action was  
 almost complete when a second SCS sequence was added before the CMV  
 enhancer.

Sequences from the firefly luciferase and from the human gene  
 cathepsin D

cDNA used as control unexpectedly showed a similar inhibitory  
 effect when

added to the CMVTKCAT construct instead of SCS. When added  
 before the CMV enhancer and after the transcription terminator in the CMVTKCAT  
 construct,

the SCS sequence was unable to insulate the integrated gene as seen  
 by the

fact that the level of CAT in cell exts. were by no means correlated  
 with

the no. of copies in individual clones. From these data, it is  
 concluded

that (i) a MAR contg. the canonical AT rich sequences does not  
 amplify the

expression of all gene constructs (ii) AT rich MAR sequences do not  
 have

per se an insulating effect (iii) Drosophila SCS from the 87A7 HSP70  
 gene

has no insulating effect in all gene constructs (at least in mammalian  
 cells) (iv) the addn. of a DNA fragment between an enhancer and a  
 promoter

in a gene construct cannot be used as a reliable test to evaluate its  
 insulating property.

=> dup rem l20

PROCESSING COMPLETED FOR L20

L66 11 DUP REM L20 (5 DUPLICATES REMOVED)

=> d ti so 1-11

L66 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Construction of retroviral vectors with novel regulatory elements for  
 expressing proteins in a mammalian cell

SO PCT Int. Appl., 151 pp.

CODEN: PIXXD2

L66 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
 ABSTRACTS INC.

TI Transgenic overexpression of insulin-like growth factor-I in milk of  
 swine

using the bovine alpha-lactalbumin promoter  
 and regulatory regions.

SO FASEB Journal, (March 15, 2000) Vol. 14, No. 4, pp. A507. print.  
 Meeting Info.: Annual Meeting of Professional Research Scientists:  
 Experimental Biology 2000 San Diego, California, USA April 15-18,  
 2000

Federation of American Societies for Experimental Biology  
 ISSN: 0892-6638.

L66 ANSWER 3 OF 11 MEDLINE

DUPLICATE 1

TI Analysis of control elements for position-independent expression of  
 human

alpha-lactalbumin YAC.

SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999  
Sep) 54 (1) 17-23.  
Journal code: 8903333. ISSN: 1040-452X.

L66 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Production of transgenic pigs and mice containing the gene encoding human insulin-like growth factor I (IGF-I) under control of the bovine alpha-lactalbumin promoter and regulatory regions.

SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213. Meeting Info.: Joint Meeting of the American Dairy Science Association and

the American Society of Animal Science Denver, Colorado, USA July 28-31, 1998 American Society of Animal Science ISSN: 0022-0302.

L66 ANSWER 5 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

2

TI Genetic modification of bovine beta-casein and its expression in the milk of transgenic mice.  
SO Journal of Agricultural and Food Chemistry, (1996) Vol. 44, No. 3, pp. 953-960.  
ISSN: 0021-8561.

L66 ANSWER 6 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Binding of nuclear proteins to the bovine alpha-lactalbumin gene promoter.  
SO Proceedings of the New Zealand Society of Animal Production, (1996) Vol. 56, No. 0, pp. 68-70.  
ISSN: 0370-2731.

L66 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Modified .alpha.-lactalbumins containing few or no phenylalanines for dietary supplementation in hyperphenylalaninemia  
SO PCT Int. Appl., 77 pp.  
CODEN: PIXXD2

L66 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Bovine alpha-lactalbumin gene promoter and its use in protein manufacture with transgenic female mammals  
SO PCT Int. Appl., 58 pp.  
CODEN: PIXXD2

L66 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Sequence and single-base polymorphisms of the bovine .alpha.-lactalbumin 5'-flanking region

SO Gene (1993), 126(2), 213-18  
CODEN: GENED6; ISSN: 0378-1119

L66 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI The bovine .alpha.-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice [Erratum to document cited in CA115(7):66096k]  
SO FEBS Lett. (1991), 288(1-2), 247  
CODEN: FEBLAL; ISSN: 0014-5793

L66 ANSWER 11 OF 11 MEDLINE DUPLICATE 3

TI The bovine alpha-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice.  
SO FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.  
Journal code: 0155157. ISSN: 0014-5793.

=> d ibib ab 11,8,4,2

L66 ANSWER 11 OF 11 MEDLINE DUPLICATE 3

ACCESSION NUMBER: 91285097 MEDLINE

DOCUMENT NUMBER: 91285097 PubMed ID: 2060621

TITLE: The bovine alpha-lactalbumin

promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice.

COMMENT: Erratum in: FEBS Lett 1991 Aug 19;288(1-2):247

AUTHOR: Stinnakre M G; Villette J L; Soulier S; L'Haridon R;

Charlier M; Gaye P; Mercier J C

CORPORATE SOURCE: Laboratoire de Physiologie Comparee,

Universite Paris VI,

France.

SOURCE: FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.

Journal code: 0155157. ISSN: 0014-5793.

PUB. COUNTRY: Netherlands

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199108

ENTRY DATE: Entered STN: 19910825

Last Updated on STN: 19910825

Entered Medline: 19910802

AB A hybrid construct derived from ovine trophoblastin cDNA and bovine alpha-lactalbumin-encoding gene, was injected into the pronuclei of mouse

eggs. In one of the resulting transgenic mouse lines, expression of the hybrid construct was detected and found to be limited to the mammary gland

of lactating females which secreted active ovine trophoblastin. This strongly suggests that important cis-acting DNA sequences involved in

tissue-specific expression of the bovine gene are located within the second half of the 3' untranslated region, or/and the proximal 5' and 3' regions flanking the transcriptional unit.

L66 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:227545 CAPLUS

DOCUMENT NUMBER: 118:227545

TITLE: Bovine alpha-lactalbumin gene promoter and its use in protein manufacture with transgenic female mammals

INVENTOR(S): Bleck, Gregory T.; Bremel, Robert D.

PATENT ASSIGNEE(S): Wisconsin Milk Marketing Board, USA

SOURCE: PCT Int. Appl., 58 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 9304165 A1 19930304 WO 1992-US6549 19920806

W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU,

JP, KP,

KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL,

SE, BF,

BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG

CA 2093659 AA 19930214 CA 1992-2093659 19920806

AU 9224119 A1 19930316 AU 1992-24119 19920806

AU 663101 B2 19950928

EP 555435 A1 19930818 EP 1992-916978 19920806

EP 555435 B1 19991013

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL,

SE

JP 06502550 T2 19940324 JP 1993-504341 19920806

AT 185596 E 19991015 AT 1992-916978 19920806

US 5530177 A 19960625 US 1993-71601 19930604

US 5850000 A 19981215 US 1996-621100 19960322

PRIORITY APPLN. INFO.: US 1991-744765 19910813  
WO 1992-US6549 19920806  
US 1993-71601 19930604

AB A variant of the bovine .alpha.-lactalbumin promoter which correlates with good milk prodn. is claimed. Transgenic female mice contg. the bovine .alpha.-lactalbumin gene contg. this variation produced high levels of .alpha.-lactalbumin (>1 mg/mL) in their milk. Three other potentially significant variations in the steroid response element and RNA polymerase binding region were noted.

L66 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 1998:532816 BIOSIS  
DOCUMENT NUMBER: PREV199800532816  
TITLE: Production of transgenic pigs and mice containing the gene

encoding human insulin-like growth factor I (IGF-I) under control of the bovine alpha-lactalbumin promoter and regulatory regions.

AUTHOR(S): Bleck, G. T. (1); Monaco, M. H.; Donovan, S. M.; Wheeler, M. B. (1)

CORPORATE SOURCE: (1) Dep. Animal Sci., Univ. Ill., Urbana, IL USA

SOURCE: Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213.

Meeting Info.: Joint Meeting of the American Dairy Science Association and the American Society of Animal Science Denver, Colorado, USA July 28-31, 1998 American Society of

Animal Science  
. ISSN: 0022-0302.

DOCUMENT TYPE: Conference

LANGUAGE: English

L66 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2000:311319 BIOSIS

DOCUMENT NUMBER: PREV200000311319

TITLE: Transgenic overexpression of insulin-like growth factor I

in milk of swine using the bovine alpha-lactalbumin promoter and regulatory regions.

AUTHOR(S): Monaco, M. H. (1); Bleck, G. T.; Cook, J. B.; Wheeler, M.

B.; Donovan, S. M.

CORPORATE SOURCE: (1) Dept. Food Sci. and Human Nutr., Univ. IL, Urbana, IL,

61801 USA

SOURCE: FASEB Journal, (March 15, 2000) Vol. 14, No. 4, pp. A507.

print.

Meeting Info.: Annual Meeting of Professional Research Scientists: Experimental Biology 2000 San Diego, California, USA April 15-18, 2000 Federation of American Societies for Experimental Biology  
. ISSN: 0892-6638.

DOCUMENT TYPE: Conference

LANGUAGE: English

SUMMARY LANGUAGE: English

=> dup rem l21

PROCESSING COMPLETED FOR L21

L67 11 DUP REM L21 (13 DUPLICATES REMOVED)

=> d ti so 1-11

L67 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Transgenic non-human mammals expressing human coagulation factor VIII and

von Willebrand factor.

SO Official Gazette of the United States Patent and Trademark Office Patents,

(July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.

ISSN: 0098-1133.

L67 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1

TI Sequence analysis of beta-lactoglobulin promoter in Korean cattle.

SO Journal of Animal Science and Technology, (August, 2000) Vol. 42, No. 4,  
pp. 443-450. print.  
ISSN: 0367-5807.

L67 ANSWER 3 OF 11 MEDLINE DUPLICATE 2

TI Expression of a functional mouse-human chimeric anti-CD19 antibody in the

milk of transgenic mice.

SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.  
Journal code: 9209120. ISSN: 0962-8819.

L67 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Preparation of human growth hormone by expressing it in mammary glands of transgenic animals

SO Faming Zhanli Shenqing Gongkai Shuomingshu, 20 pp.  
CODEN: CNXXEV

L67 ANSWER 5 OF 11 MEDLINE DUPLICATE 3

TI Differential expression of bovine beta-lactoglobulin A and B promoter

variants in transiently transfected HC11 cells.

SO JOURNAL OF DAIRY RESEARCH, (1999 Nov) 66 (4) 537-44.  
Journal code: 2985125R. ISSN: 0022-0299.

L67 ANSWER 6 OF 11 MEDLINE DUPLICATE 4

TI Use of doxycycline-controlled gene expression to reversibly alter milk-protein composition in transgenic mice.

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260 (2) 533-9.

Journal code: 0107600. ISSN: 0014-2956.

L67 ANSWER 7 OF 11 MEDLINE DUPLICATE 5

TI Polymorphisms of bovine beta-lactoglobulin promoter and differences in the binding affinity of activator protein-2 transcription factor.

SO JOURNAL OF DAIRY SCIENCE, (1997 Jul) 80 (7) 1389-97.  
Journal code: 2985126R. ISSN: 0022-0302.

L67 ANSWER 8 OF 11 MEDLINE DUPLICATE 6

TI Targeted expression of MDM2 uncouples S phase from mitosis and inhibits

mammary gland development independent of p53.

SO GENES AND DEVELOPMENT, (1997 Mar 15) 11 (6) 714-25.  
Journal code: 8711660. ISSN: 0890-9369.

L67 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS

TI Polymorphism in the 5' flanking region of the bovine-lactoglobulin-encoding gene and its association with .beta.-lactoglobulin in the milk

SO Journal of Animal Breeding and Genetics (1997), 114(1), 49-53  
CODEN: JABAE8; ISSN: 0931-2668

L67 ANSWER 10 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Functional analysis of the differential expression of bovine beta-lactoglobulin A and B promoter variants in transient transfection of

HC11 cells.

SO Animal Genetics, (1996) Vol. 27, No. SUPPL. 2, pp. 90.

Meeting Info.: 25th International Conference on Animal Genetics  
Tours,  
France July 21-25, 1996  
ISSN: 0268-9146.

L67 ANSWER 11 OF 11 MEDLINE DUPLICATE 7  
TI Epithelial proliferation and differentiation in the mammary gland do not correlate with cFABP gene expression during early pregnancy.  
SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.  
Journal code: 7909963. ISSN: 0192-253X.

=> d ibib ab1  
'L' IS NOT A VALID FORMAT  
In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES  
(FILEDEFAULT):end

=> d ibib ab1

L67 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 2001:356360 BIOSIS  
DOCUMENT NUMBER: PREV200100356360  
TITLE: Transgenic non-human mammals expressing human coagulation factor VIII and von Willebrand factor.  
AUTHOR(S): Lubon, Henryk (1); Drohan, William N.; Velander, William H.  
CORPORATE SOURCE: (1) Rockville, MD USA  
ASSIGNEE: American National Red Cross; Virginia Polytechnic Institute & State University, Blacksburg, VA, USA  
PATENT INFORMATION: US 6255554 July 03, 2001  
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.  
ISSN: 0098-1133.

DOCUMENT TYPE: Patent  
LANGUAGE: English  
AB A non-human transgenic mammalian animal, as described above, contains an exogenous double stranded DNA sequence stably integrated into the genome of the animal, which comprises cis-acting regulatory units operably linked to a DNA sequence encoding human Factor VIII protein and a signal peptide, where the cis-acting regulatory units are active in mammary gland cells and the signal peptide is active in directing newly expressed Factor VIII into the milk of the animal. The promoter may be a milk protein promoter such as for whey acidic protein, casein, lactalbumin, or beta-lactoglobulin promoter. The transgenic mammals are preferably farm animals, for example, cows, goats, sheep, rabbits and pigs. Concurrent expression of a gene for human von Willebrand's Factor into milk may be used to stabilize newly-secreted Factor VIII.

=> dup rem l26  
PROCESSING COMPLETED FOR L26  
L68 14 DUP REM L26 (3 DUPLICATES REMOVED)

=> d ti so 1-14

L68 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2002 ACS

TI High expression of human FIX(hFIX) in transgenic mice directed by goat .beta.-casein gene promoter  
SO Yichuan Xuebao (2002), 29(3), 206-211  
CODEN: ICHPCG; ISSN: 0379-4172

L68 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI High expression of human serum albumin in milk of transgenic mice directed by the goat .beta.-casein gene promoter region  
SO Chinese Science Bulletin (2001), 46(7), 582-586  
CODEN: CSBUEF; ISSN: 1001-6538

L68 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI Tissue specific expression of human serum albumin gene using goat .beta.-casein gene promoter in mouse tissue  
SO Yichuan (2001), 23(6), 518-520  
CODEN: ICHUDW; ISSN: 0253-9772

L68 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI Mammary gland tissue-specific expression system using .beta.-casein promoter site of korean native goat  
SO PCT Int. Appl., 48 pp.  
CODEN: PIXXD2

L68 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI A study of transgenic cattle expressing human serum albumin gene  
SO Yichuan Xuebao (2000), 27(7), 573-579  
CODEN: ICHPCG; ISSN: 0379-4172

L68 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI Human serum albumin (hALB) transient expression in goat milk after direct transfer of hALB expressing vector into mammary gland  
SO Zhongguo Shouyi Xuebao (2000), 20(5), 419-422  
CODEN: ZXUF5; ISSN: 1005-4545

L68 ANSWER 7 OF 14 MEDLINE DUPLICATE 1  
TI Production of biologically active human granulocyte colony stimulating factor in the milk of transgenic goat.  
SO TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-22.  
Journal code: 9209120. ISSN: 0962-8819.

L68 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI Chimeric genes for human erythropoietin analog-human serum albumin fusion proteins and their use in drug preparation and gene therapy  
SO PCT Int. Appl., 61 pp.  
CODEN: PIXXD2

L68 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI Production of complex human pharmaceuticals in the milk of transgenic goats using the goats beta casein promoter  
SO Transgenic Animals (1997), 465-467. Editor(s): Houdebine, Louis Marie.  
Publisher: Harwood, Amsterdam, Neth.  
CODEN: 66IFA3

L68 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI Cloning and restriction mapping of goat .beta.-casein gene  
SO Guoli Zhongxing Daxue Nonglin Xuebao (1996), 45(1), 83-93  
CODEN: NLHPAU; ISSN: 0550-3744

L68 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI Structural Features of the 5' Flanking Region of the Caprine .kappa.-Casein Gene  
SO J. Dairy Sci. (1995), 78(5), 973-7  
CODEN: JDSCAE; ISSN: 0022-0302

L68 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2002 ACS  
TI High-level, stage- and mammary-tissue-specific expression of a

caprine  
.kappa.-casein-encoding minigene driven by a .beta.-casein promoter  
in  
transgenic mice  
SO Gene (1995), 165(2), 291-6  
CODEN: GENED6; ISSN: 0378-1119

L68 ANSWER 13 OF 14 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI High level expression of tissue plasminogen activator using the goat beta-casein promoter.  
SO FASEB Journal, (1993) Vol. 7, No. 7, pp. A1223.  
Meeting Info.: Joint Meeting of the American Society for Biochemistry and Molecular Biology and American Chemical Society Division of Biological Chemistry San Diego, California, USA May 30-June 3, 1993  
ISSN: 0892-6638.

L68 ANSWER 14 OF 14 MEDLINE DUPLICATE 2  
TI Production of cystic fibrosis transmembrane conductance regulator in the milk of transgenic mice.  
SO BIO/TECHNOLOGY, (1992 Jan) 10 (1) 74-7.  
Journal code: 8309273. ISSN: 0733-222X.

=> d ibib ab 9,7,4

L68 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1998:410202 CAPLUS  
DOCUMENT NUMBER: 129:171153  
TITLE: Production of complex human pharmaceuticals in the milk of transgenic goats using the goats beta casein promoter  
AUTHOR(S): DiTullio, P.; Ebert, K. M.; Pollock, J.; Edmunds, T.; Meade, H. M.  
CORPORATE SOURCE: Sch. of Med., Dental Med. and Veterinary Med., Tufts Univ., Grafton, MA, 01536, USA  
SOURCE: Transgenic Animals (1997), 465-467. Editor(s): Houdebine, Louis Marie. Harwood: Amsterdam, Neth.  
CODEN: 66IFAA3  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
AB The data shows that the goat beta casein promoter is capable of directing high level expression of a heterologous protein to the mammary gland of transgenic goat. The promoter appears unique in its ability to achieve g/L expression levels from a cDNA construct characterization of the transgenic LaTpa levels revealed the protein to be fully glycosylated with some differences in monosaccharide content whose effect on protein function in vivo is presently unknown.

L68 ANSWER 7 OF 14 MEDLINE DUPLICATE 1  
ACCESSION NUMBER: 2000479774 MEDLINE  
DOCUMENT NUMBER: 20485119 PubMed ID: 11032370  
TITLE: Production of biologically active human granulocyte colony stimulating factor in the milk of transgenic goat.  
AUTHOR: Ko J H; Lee C S; Kim K H; Pang M G; Koo J S; Fang N; Koo D B; Oh K B; Youn W S; Zheng G D; Park J S; Kim S J; Han Y M; Choi I Y; Lim J; Shin S T; Jin S W; Lee K K; Yoo O J  
CORPORATE SOURCE: Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Taejon.  
SOURCE: TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-22.  
Journal code: 9209120. ISSN: 0962-8819.

PUB. COUNTRY: Netherlands  
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200102

ENTRY DATE: Entered STN: 20010322

Last Updated on STN: 20010322

Entered Medline: 20010208

AB We have developed a transgenic female goat harboring goat beta-casein promoter/human granulocyte colony stimulating factor (G-CSF) fusion gene by microinjection into fertilized one-cell goat zygotes. Human G-CSF was produced at levels of up to 50 microg/ml in transgenic goat milk. Its biological activity was equivalent to recombinant human G-CSF expressed from Chinese hamster ovary (CHO) cell when assayed using in vitro HL-60 cell proliferation. Human G-CSF from transgenic goat milk increased the total number of white blood cells in C57BL/6N mice with leucopenia induced by cyclophosphamide (CPA). The secreted human G-CSF was glycosylated although the degree of O-glycosylation was lower compared to CHO cell-derived human G-CSF.

L68 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:191228 CAPLUS

DOCUMENT NUMBER: 132:232746

TITLE: Mammary gland tissue-specific expression system using .beta.-casein promoter site of korean native goat

INVENTOR(S): Yoo, Ook Joon; Lee, Kyung Kwang; Han, Young Mahn; Kim, Sun Jung; Jeong, Hae Young; Ko, Jung Ho; Oh, Won Jun

PATENT ASSIGNEE(S): Hanmi Pharm. Co., Ltd., S. Korea; Korea Advanced

Institute of Science and Technology

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2000015808 A1 20000323 WO 1998-KR277

19980911

W: AU, CA, CN, CZ, HU, JP, MX, NZ, RU, TR, US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL

PT, SE

AU 9891887 A1 20000403 AU 1998-91887 19980911

AU 729668 B2 20010208

EP 1034281 A1 20000913 EP 1998-944319 19980911

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE,

MC, PT,

IE, FI

PRIORITY APPLN. INFO.: WO 1998-KR277 A

19980911

AB There are disclosed mammary gland tissue-specific expression systems using

the promoter site for the .beta.-casein gene of Korean native goats, by use of which physiol. activating substances can be produced. In each

of the expression systems, i.e., novel plasmids pGbc, pGbcL and pGbcS (deposition Nos. KCTC 0515BP, 0514BP and 0513BP, resp.), a

.beta.-casein gene expression-regulating region, a physiol. activating substance gene

and a termination-regulating region are linked. Transgenic animals

are made by microinjection of a gene-carrying pGbc vector into male pronucleus of animals. Here recombination occurs between the plasmid pGbc\_S and hGMCSF gene or between the pGbc\_S and pGbc\_L vectors and hG-CSF gene. Mammary gland tissue-derived cells are of HC11 line which are transfected with a gene-carrying pGbc\_L vector or pGbc\_S vector by calcium phosphate copptn. or electroporation. Human granulocyte colony stimulating factor (hG-CSF) or human granulocyte macrophage colony stimulating factor (hGM-CSF) can be produced in HC11 cells, a mouse mammary gland tissue-derived cell line, and in the milk secreted from the transgenic mice by use of a hG-CSF or hGM-CSF gene-carrying pGbc, pGbcL or pGbcS in transfection into cell and microinjection to mouse. Successful promoter induction is obtained with lactating hormone. These cells are selected with antibiotics. The proteins are those which experience the post-translational modification and maintain their normal activity in the human body. The expression systems make it possible to easily produce the proteins at a great amt., to scale up protein prodn. to the extent of industrialization, and to isolate and purify the desired protein with ease and safety.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> dup rem l27  
PROCESSING COMPLETED FOR L27  
L69 1 DUP REM L27 (1 DUPLICATE REMOVED)

=> d ti so

L69 ANSWER 1 OF 1 MEDLINE DUPLICATE 1  
TI Transgenic production of a variant of human tissue-type plasminogen activator in goat milk: generation of transgenic goats and analysis of expression.  
SO BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.  
Journal code: 8309273. ISSN: 0733-222X

=> d ibib ab

L69 ANSWER 1 OF 1 MEDLINE DUPLICATE 1  
ACCESSION NUMBER: 91354712 MEDLINE  
DOCUMENT NUMBER: 91354712 PubMed ID: 1367544  
TITLE: Transgenic production of a variant of human tissue-type plasminogen activator in goat milk: generation of transgenic goats and analysis of expression.  
AUTHOR: Ebert K M; Selgrath J P; DiTullio P; Denman J; Smith T E; Memon M A; Schindler J E; Monastersky G M; Vitale J A; Gordon K  
CORPORATE SOURCE: Tufts University School of Veterinary Medicine, North Grafton, MA 01536-1895.  
SOURCE: BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.  
Journal code: 8309273. ISSN: 0733-222X  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English

FILE SEGMENT: Biotechnology  
ENTRY MONTH: 199110  
ENTRY DATE: Entered STN: 19950809  
Last Updated on STN: 19980206  
Entered Medline: 19911010  
AB We report the first successful production of transgenic goats that express a heterologous protein in their milk. The production of a glycosylation variant of human tPA (LAtPA--longer acting tissue plasminogen activator) from an expression vector containing the murine whey acid promoter (WAP) operatively linked to the cDNA of a modified version of human tPA was examined in transgenic dairy goats. Two transgenic goats were identified from 29 animals born. The first animal, a female, was mated and allowed to carry the pregnancy to term. Milk was obtained upon parturition and was shown to contain enzymatically active LAtPA at a concentration of 3 micrograms/ml.

=> dup rem l8  
762760 ANSWERS REQUESTED EXCEEDS MAXIMUM ALLOWED OF 50000  
You may process up to 50,000 answers per command. Please try to narrow your search until your resulting L# answer set is within the maximum number of answers.

=> dup rem l28  
L28 HAS NO ANSWERS

=> dup rem l29  
PROCESSING COMPLETED FOR L29  
L70 10 DUP REM L29 (4 DUPLICATES REMOVED)

=> d ti so 1-10

L70 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Transgenic non-human mammals expressing human coagulation factor VIII and von Willebrand factor.  
SO Official Gazette of the United States Patent and Trademark Office Patents, (July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.  
ISSN: 0098-1133.

L70 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2002 ACS  
TI Establishment of transgenic dairy goat by microinjection  
SO Zhongguo Shouyi Xuebao (2001), 21(3), 252-254  
CODEN: ZXUF5; ISSN: 1005-4545

L70 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS  
TI Expression mammary gland-specific of the goat beta-lactoglobulin gene comprising a 410 bp-long promoter in transgenic mice  
SO Transgenics (2001), 3(2-4), 175-182  
CODEN: TADTEF; ISSN: 1023-6171

L70 ANSWER 4 OF 10 MEDLINE DUPLICATE 1  
TI Rapid communication: polymorphism in the goat beta-lactoglobulin proximal promoter region.  
SO JOURNAL OF ANIMAL SCIENCE, (2000 Apr) 78 (4) 1100-1.  
Journal code: 8003002. ISSN: 0021-8812.

L70 ANSWER 5 OF 10 MEDLINE DUPLICATE 2  
TI Chromatin structures of goat and sheep beta-lactoglobulin gene differ.  
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998 Nov 27) 252 (3) 649-53.  
Journal code: 0372516. ISSN: 0006-291X.

L70 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS  
TI Production of human serum albumin in the milk of transgenic animals  
SO Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning, Chen, Yongfu. Publisher: International Academic Publishers, Beijing, Peop. Rep. China.  
CODEN: 68CNAB

L70 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS  
TI Repression participates in mammary tissue-specific activation of the caprine .beta.-lactoglobulin promoter  
SO Molecular and Cellular Endocrinology (1997), 133(2), 161-168  
CODEN: MCEND6; ISSN: 0303-7207

L70 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS  
TI Identification of the negative regulatory element on the caprine .beta.-lactoglobulin promoter  
SO Tongmul Hakhoechi (1995), Volume Date 1995, 38(3), 433-41  
CODEN: TOHJAV; ISSN: 0440-2510

L70 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS  
TI Efficient expression of human .alpha.1-antitrypsin by the caprine .beta.-lactoglobulin promoter in the mouse mammary cell, HC11  
SO Mol. Cells (1995), 5(3), 275-81  
CODEN: MOCEEK; ISSN: 1016-8478

L70 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS  
TI Isolation and characterization of the caprine genomic .beta.-lactoglobulin gene  
SO Mol. Cells (1995), 5(3), 209-16  
CODEN: MOCEEK; ISSN: 1016-8478

=> d ibib ab 9,6,5,1

L70 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1995:763157 CAPLUS  
DOCUMENT NUMBER: 123:189634  
TITLE: Efficient expression of human .alpha.1-antitrypsin by the caprine .beta.-lactoglobulin promoter in the mouse mammary cell, HC11  
AUTHOR(S): Kang, Hyun Ah; Song, Young-Ja; Seo, Eun Joo; Kim, Jaeman; Seo, Jeong-Sun; Yu, Myeong-Hee  
CORPORATE SOURCE: Korea Res. Inst. of Bioscience and Biotechnology, Korea Inst. of Science and Technology, Taejon, 305-333, S. Korea  
SOURCE: Mol. Cells (1995), 5(3), 275-81  
CODEN: MOCEEK; ISSN: 1016-8478

DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB The configuration of regulatory sequence and protein coding sequence, such as the presence of introns, is considered to be a crucial factor in detg. the expression level of the protein of interest. As a preliminary step for generating transgenic animals targeting the expression of human .alpha.1-antitrypsin (.alpha.1-AT) to the mammary gland, we evaluated the feasibility of using the regulatory sequence of the caprine .beta.-lactoglobulin gene to drive expression of the human protein from various vector constructs in a mouse mammary cell line, HC11. The 1.6 kb caprine regulatory sequence supported efficient expression of human .alpha.1-AT transcript from the vector constructed with the .alpha.1-AT cDNA sequence. The enhancing effect of .alpha.1-AT intronic sequence on the .alpha.1-AT transcription, however, was not obsd. in the cells

transfected with the vector contg. the .alpha.1-AT genomic DNA. Both the cDNA construct and the genomic construct showed a similar level of expression for the human .alpha.1-AT protein, which was secreted as a glycosylated form into the culture media. The results indicate that intronic sequence of human .alpha.1-AT is not absolutely required for the efficient expression driven by the caprine regulatory sequence in the mouse mammary cell.

L70 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:587633 CAPLUS  
DOCUMENT NUMBER: 132:59720  
TITLE: Production of human serum albumin in the milk of transgenic animals  
AUTHOR(S): Shani, M.; Barash, I.; Faerman, A.; Ilan, N.; Raikhinstein, M.; Kari, R.; Bor, A.; Zaharini, E.; Gootwine, E.  
CORPORATE SOURCE: The Volcani Center, Institute of Animal Science, Bet Dagan, 50250, Israel  
SOURCE: Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning, Chen, Yongfu. International Academic Publishers: Beijing, Peop. Rep. China.  
CODEN: 68CNAB  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
AB To test the feasibility of producing human serum albumin (HSA) in the milk of transgenic goats the authors have established numerous transgenic mouse strains carrying a variety of HSA genomic sequences in front of the sheep .beta.-lactoglobulin promoter sequences. Anal. of HSA expression in these transgenic strains have demonstrated that up to 16 mg/mL HSA can be obtained in the milk and that expression is dependent on the presence of HSA intronic sequences. Furthermore, specific combinations of such introns perform better than others in conferring mammary specific expression. Attempt to insulate the transgene from the effect of host DNA sequences at the site of integration by co-integrating the HSA expression vectors with either the native sheep BLG gene or the matrix attachment region derived from the chicken lysosome gene, have failed. Moreover, the expression of the native BLG gene, that is highly expressed when introduced alone, was downregulated in the presence of HSA expression vectors. A spontaneously derived sheep epithelial cell line (NISH) was established. These cells form in vitro functional structures resembling ducts, lateral buds and alveoli that secrete BLG in an extra-cellular-dependent manner. The presence of growth hormone and fetal calf serum is required to establish these structures and to maintain BLG secretion. Interestingly, stable transfection of these cells with expression vectors may be used to substitute the transgenic mouse model in evaluating the potential of gene constructs to be expressed in the mammary gland. Finally, the authors describe the effects of season, ovulation rate and pregnancy rate on the efficiency of transgenesis in Saanen and Nubian-Damascus crossbred goats.  
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L70 ANSWER 5 OF 10 MEDLINE DUPLICATE 2  
ACCESSION NUMBER: 1999057556 MEDLINE  
DOCUMENT NUMBER: 99057556 PubMed ID: 9837761  
TITLE: Chromatin structures of goat and sheep beta-lactoglobulin  
gene differ.

AUTHOR: Pena R N; Folch J M; Sanchez A; Whitelaw C B  
CORPORATE SOURCE: Unitat de Genetica i Millora, Departament de Patologia i

Produccio Animals, Facultat de Veterinaria, Universitat Autonoma de Barcelona, Bellaterra, 08193, Spain.  
romi@guara.uab.es

SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998 Nov 27) 252 (3) 649-53.  
Journal code: 0372516. ISSN: 0006-291X.

PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199901

ENTRY DATE: Entered STN: 19990128

Last Updated on STN: 19990128

Entered Medline: 19990114

AB Different levels of the major milk protein beta-lactoglobulin are found in

evolutionarily related ruminant species: with sheep milk containing as

much as three times the concentration in goat milk. In an attempt to understand why these differences exist, we have characterised,

using DNaseI as a probe of structure, the chromatin surrounding the goat beta-lactoglobulin promoter and compared it to that of the sheep homologue. The goat gene displays a mammary-specific chromatin pattern, which is reformed on

expressing goat beta-lactoglobulin transgenes. This implies that this chromatin structure is sequence dependent and suggests that it plays a role in regulating beta-lactoglobulin gene expression. This pattern differs from that seen on the ovine beta-lactoglobulin gene in

lactating sheep mammary chromatin. Thus, even between highly related species, the transcriptional mechanisms regulating activity of a gene can differ.

Copyright 1998 Academic Press.

L70 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:356360 BIOSIS

DOCUMENT NUMBER: PREV200100356360

TITLE: Transgenic non-human mammals expressing human coagulation

factor VIII and von Willebrand factor.

AUTHOR(S): Lubon, Henryk (1); Drohan, William N.; Velander, William H.

CORPORATE SOURCE: (1) Rockville, MD USA  
ASSIGNEE: American National Red Cross; Virginia

Polytechnic Institute & State University, Blacksburg, VA, USA

PATENT INFORMATION: US 6255554 July 03, 2001

SOURCE: Official Gazette of the United States Patent and Trademark

Office Patents, (July 3, 2001) Vol. 1248, No. 1, pp. No  
Pagination. e-file.

ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

AB A non-human transgenic mammalian animal, as described above, contains an

exogenous double stranded DNA sequence stably integrated into the genome  
of the animal, which comprises cis-acting regulatory units operably linked

to a DNA sequence encoding human Factor VIII protein and a signal

peptide,

where the cis-acting regulatory units are active in mammary gland

cells

and the signal peptide is active in directing newly expressed Factor VIII

into the milk of the animal. The promoter may be a milk protein promoter

such as for whey acidic protein, casein, lactalbumin, or beta-lactoglobulin promoter. The transgenic mammals are preferably farm animals, for example, cows, goats, sheep, rabbits and pigs. Concurrent expression of a gene for human von Willebrand's Factor into milk may be used to stabilize newly-secreted Factor VIII.

=> dup rem 135

PROCESSING COMPLETED FOR L35

L71 7 DUP REM L35 (6 DUPLICATES REMOVED)

=> d ti so 1-7

L71 ANSWER 1 OF 7 MEDLINE

DUPLICATE 1

TI Cytokine-like effects of prolactin in human mononuclear and polymorphonuclear leukocytes.

SO JOURNAL OF NEUROIMMUNOLOGY, (2001 Nov 1) 120 (1-2) 58-66.

Journal code: 8109498. ISSN: 0165-5728.

L71 ANSWER 2 OF 7 MEDLINE

TI Regulation of gene expression in mammary epithelial cells by cellular

confluence and sequence-specific DNA binding factors.

SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 115-31.

Journal code: 7506896. ISSN: 0067-8694.

L71 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Cloning and characterization of the ovine beta-casein gene promoter.

SO Animal Genetics, (Dec., 1998) Vol. 29, No. SUPPL. 1, pp. 52.  
Meeting Info.: 26th International Conference on Animal Genetics Auckland,

New Zealand August 9-14, 1998

ISSN: 0268-9146.

L71 ANSWER 4 OF 7 MEDLINE

DUPLICATE 2

TI Cloning, sequencing and functional analysis of a truncated cDNA encoding red deer prolactin receptor: an alternative tyrosine residue mediates beta-casein promoter activation.

SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1996 Oct 14) 123 (1) 17-26.

Journal code: 7500844. ISSN: 0303-7207.

L71 ANSWER 5 OF 7 MEDLINE

DUPLICATE 3

TI Functional activity of the human prolactin receptor and its ligands.

SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Oct 30) 114 (1-2) 91-9.

Journal code: 7500844. ISSN: 0303-7207.

L71 ANSWER 6 OF 7 MEDLINE

DUPLICATE 4

TI Mammary gland factor (MGF) is a novel member of the cytokine regulated

transcription factor gene family and confers the prolactin response.

SO EMBO JOURNAL, (1994 May 1) 13 (9) 2182-91.

Journal code: 8208664. ISSN: 0261-4189.

L71 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2002 ACS

TI Manufacture of recombinant proteins by secretion into milk of transgenic

mammals

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

=> dup rem 16]  
ENTER L# LIST OR (END):end

=> dup rem 36  
ENTER L# LIST OR (END):end

=> dup rem 136  
PROCESSING COMPLETED FOR L36  
L72 1 DUP REM L36 (1 DUPLICATE REMOVED)

=> d ti so

L72 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1  
TI Establishment of La-tPA/G-CSF dual transgenic mice and expression in their mammary gland.  
SO Science in China Series C Life Sciences, (June, 1999) Vol. 42, No. 3, pp. 330-336.  
ISSN: 1006-9305.

=> d ibib ab

L72 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1  
ACCESSION NUMBER: 2000:2017 BIOSIS  
DOCUMENT NUMBER: PREV200000002017  
TITLE: Establishment of La-tPA/G-CSF dual transgenic mice and expression in their mammary gland.  
AUTHOR(S): Lu Yifan (1); Tian Chai; Deng Jixian (1); Cheng Xuan (1); Huang Peitang (1)  
CORPORATE SOURCE: (1) Institute of Biotechnology, Academy of Military Medicine Science, Beijing China  
SOURCE: Science in China Series C Life Sciences, (June, 1999) Vol. 42, No. 3, pp. 330-336.  
ISSN: 1006-9305.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
AB Expression vectors of human granulocyte colony stimulating factor (G-CSF) and long acting tissue plasminogen activator (La-tPA) in mammary gland were constructed using promoters of mouse whey acid protein gene (WAP) and sheep beta-lactoglobulin gene (BLG) with sizes of 2.6 and 5 kb respectively. Two kinds of transgenic mice of G-CSF and La-tPA were produced with microinjection. The expression of G-CSF and La-tPA was achieved in mammary glands of transgenic mice, respectively. In order to establish dual transgenic mice of La-tPA/G-CSF, transgenic mice carrying G-CSF and La-tPA gene characterized with specific expression in mammary gland were mated. La-tPA/G-CSF dual transgenic mice were screened out from the hybrid offspring by Once-PCR. The co-expression of La-tPA and G-CSF in mammary gland of the dual transgenic mice was confirmed by the milk assayed and Northern blot analysis. Some parameters about the dual transgenic mice indicated that there were fewer litters than that of normal mice. The ratio of dual transgenes was 46.1% in F1 generation, and offspring's sex ratio was normal. Hence a dual transgenic mouse model was

established for the study of co-expression foreign proteins in mammary gland.

=> dup rem 137  
PROCESSING COMPLETED FOR L37  
L73 2 DUP REM L37 (2 DUPLICATES REMOVED)

=> d ti so 1-2

L73 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS  
TI The bovine alpha-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice [Erratum to document cited in CA115(7):66096k]  
SO FEBS Lett. (1991), 288(1-2), 247  
CODEN: FEBLAS; ISSN: 0014-5793

L73 ANSWER 2 OF 2 MEDLINE DUPLICATE 1  
TI The bovine alpha-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice.  
SO FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.  
Journal code: 0155157. ISSN: 0014-5793.

=> dup rem 138  
PROCESSING COMPLETED FOR L38  
L74 40 DUP REM L38 (34 DUPLICATES REMOVED)

=> d ti so 1-40

L74 ANSWER 1 OF 40 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Transgenic non-human mammals expressing human coagulation factor VIII and von Willebrand factor.  
SO Official Gazette of the United States Patent and Trademark Office Patents, (July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.  
ISSN: 0098-1133.

L74 ANSWER 2 OF 40 MEDLINE DUPLICATE 1  
TI Virus-neutralizing monoclonal antibody expressed in milk of transgenic mice provides full protection against virus-induced encephalitis.  
SO JOURNAL OF VIROLOGY, (2001 Mar) 75 (6) 2803-9.  
Journal code: 0113724. ISSN: 0022-538X.

L74 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Establishment of transgenic dairy goat by microinjection  
SO Zhongguo Shouyi Xuebao (2001), 21(3), 252-254  
CODEN: ZXUF5; ISSN: 1005-4545

L74 ANSWER 4 OF 40 MEDLINE DUPLICATE 2  
TI Breast cancer-specific expression of the Candida albicans cytosine deaminase gene using a transcriptional targeting approach.  
SO CANCER GENE THERAPY, (2000 Jun) 7 (6) 845-52.  
Journal code: 9432230. ISSN: 0929-1903.

L74 ANSWER 5 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Human bile salt-stimulated lipase obtainable from transgenic sheep  
SO PCT Int. Appl., 67 pp.  
CODEN: PIXXD2

L74 ANSWER 6 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Plasmid vector pBCD for efficient mammary gland-specific gene expression  
in transgenic animals  
SO Faming Zhanli Shenqing Gongkai Shuomingshu, 24 pp.  
CODEN: CNXXEV

L74 ANSWER 7 OF 40 MEDLINE DUPLICATE 3  
TI In vivo and in vitro expression of human serum albumin genomic sequences

in mammary epithelial cells with beta-lactoglobulin and whey acidic protein promoters.  
 SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Mar) 52 (3) 241-52.  
 Journal code: 8903333. ISSN: 1040-452X.

L74 ANSWER 8 OF 40 CAPLUS COPYRIGHT 2002 ACS  
 TI Construction of a universal mammary gland expression vector for transgenic animal  
 SO Zhongguo Shouyi Xuebao (1999), 19(2), 133-135  
 CODEN: ZSXUF5; ISSN: 1005-4545

L74 ANSWER 9 OF 40 MEDLINE DUPLICATE 4  
 TI In vitro expression of long and short ovine prolactin receptors: activation of Jak2/STAT5 pathway is not sufficient to account for prolactin signal transduction to the ovine beta-lactoglobulin gene promoter.  
 SO JOURNAL OF MOLECULAR ENDOCRINOLOGY, (1999 Oct) 23 (2) 125-36.  
 Journal code: 8902617. ISSN: 0952-5041.

L74 ANSWER 10 OF 40 MEDLINE DUPLICATE 5  
 TI The prolactin receptor from the brushtail possum (*Trichosurus vulpecula*): cDNA cloning, expression and functional analysis.  
 SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1999 Feb 25) 148 (1-2) 119-27.  
 Journal code: 7500844. ISSN: 0303-7207.

L74 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2002 ACS  
 TI cloning and expression in transgenic sheep and mice of human alpha-1-antitrypsin transgene  
 SO PCT Int. Appl., 47 pp.  
 CODEN: PIXXD2

L74 ANSWER 12 OF 40 MEDLINE DUPLICATE 6  
 TI Chromatin structures of goat and sheep beta-lactoglobulin gene differ.  
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998 Nov 27) 252 (3) 649-53.  
 Journal code: 0372516. ISSN: 0006-291X.

L74 ANSWER 13 OF 40 MEDLINE DUPLICATE 7  
 TI Production of biologically active salmon calcitonin in the milk of transgenic rabbits.  
 SO NATURE BIOTECHNOLOGY, (1998 Jul) 16 (7) 647-51.  
 Journal code: 9604648. ISSN: 1087-0156.

L74 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2002 ACS  
 TI Rescue of an MMTV transgene by co-integration reveals novel locus control properties of the ovine beta-lactoglobulin gene that confer locus commitment to heterogeneous tissues  
 SO Transgenic Research (1998), 7(3), 205-212  
 CODEN: TRSEES; ISSN: 0962-8819

L74 ANSWER 15 OF 40 MEDLINE  
 TI Gene expression in the mammary glands of transgenic animals.  
 SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 133-40. Ref: 29  
 Journal code: 7506896. ISSN: 0067-8694.

L74 ANSWER 16 OF 40 CAPLUS COPYRIGHT 2002 ACS  
 TI Production of human serum albumin in the milk of transgenic animals  
 SO Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning; Chen, Yongfu.  
 Publisher: International Academic Publishers, Beijing, Peop. Rep. China.  
 CODEN: 68CNAB

L74 ANSWER 17 OF 40 MEDLINE DUPLICATE 8  
 TI Prolactin signal transduction to milk protein genes: carboxy-terminal part of the prolactin receptor and its tyrosine phosphorylation are not obligatory for JAK2 and STAT5 activation.  
 SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1997 Mar 28) 127 (2) 155-69.  
 Journal code: 7500844. ISSN: 0303-7207.

L74 ANSWER 18 OF 40 MEDLINE DUPLICATE 9  
 TI Selective cell ablation in transgenic mice expression E. coli nitroreductase.  
 SO GENE THERAPY, (1997 Feb) 4 (2) 101-10.  
 Journal code: 9421525. ISSN: 0969-7128.

L74 ANSWER 19 OF 40 MEDLINE DUPLICATE 10  
 TI Transgene rescue in the mammary gland is associated with transcription but does not require translation of BLG transgenes.  
 SO TRANSGENIC RESEARCH, (1997 Jan) 6 (1) 11-7.  
 Journal code: 9209120. ISSN: 0962-8819.

L74 ANSWER 20 OF 40 CAPLUS COPYRIGHT 2002 ACS  
 TI Transgenic nonhuman animals expressing nitroreductase which converts prodrug to cytotoxic drug  
 SO PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2

L74 ANSWER 21 OF 40 MEDLINE DUPLICATE 11  
 TI High-level expression of recombinant human fibrinogen in the milk of transgenic mice.  
 SO NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7) 867-71.  
 Journal code: 9604648. ISSN: 1087-0156.

L74 ANSWER 22 OF 40 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 TI Expression of human blood clotting factor VIII (FVIII) constructs in the mammary gland of transgenic mice and sheep.  
 SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp. 437-444.  
 ISSN: 0931-2668.

L74 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2002 ACS  
 TI The glycosylation of human recombinant alpha-1-antitrypsin expressed in transgenic mice  
 SO Biochem. Soc. Trans. (1996), 24(3), 339S  
 CODEN: BCSTB5; ISSN: 0300-5127

L74 ANSWER 24 OF 40 MEDLINE DUPLICATE 12  
 TI Hormonal influences on beta-lactoglobulin transgene expression inferred from chromatin structure.  
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 Jul 5) 224 (1) 121-5.  
 Journal code: 0372516. ISSN: 0006-291X.

L74 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2002 ACS  
 TI Modified .alpha.-lactalbumins containing few or no phenylalanines for dietary supplementation in hyperphenylalaninemia  
 SO PCT Int. Appl., 77 pp.  
 CODEN: PIXXD2

L74 ANSWER 26 OF 40 MEDLINE DUPLICATE 13  
 TI Stat5 as a target for regulation by extracellular matrix.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 15) 270 (37) 21639-44.

L74 ANSWER 27 OF 40 MEDLINE DUPLICATE 14  
TI Regulation of ovine beta-lactoglobulin gene expression during the first stage of lactogenesis.  
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1995 Apr 26) 209 (3) 1089-93.  
Journal code: 0372516. ISSN: 0006-291X.

L74 ANSWER 28 OF 40 MEDLINE DUPLICATE 15  
TI Dramatic heterogeneity of transgene expression in the mammary gland of lactating mice: a model system to study the synthetic activity of mammary epithelial cells.  
SO JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (1995 May) 43 (5) 461-70.  
Journal code: 9815334. ISSN: 0022-1554.

L74 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Heterogeneous expression and synthesis of human serum albumin in the mammary gland of transgenic mice  
SO Intercell. Signalling Mammary Gland, [Proc. Hannah Symp.] (1995), Meeting Date 1994, 171-2. Editor(s): Wilde, Colin J.; Peaker, Malcolm; Knight, Christopher H. Publisher: Plenum, New York, N. Y.  
CODEN: 61ZIAS

L74 ANSWER 30 OF 40 MEDLINE DUPLICATE 16  
TI Epithelial proliferation and differentiation in the mammary gland do not correlate with cFABP gene expression during early pregnancy.  
SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.  
Journal code: 7909963. ISSN: 0192-253X.

L74 ANSWER 31 OF 40 MEDLINE DUPLICATE 17  
TI The proximal milk protein binding factor binding site is required for the prolactin responsiveness of the sheep beta-lactoglobulin promoter in Chinese hamster ovary cells.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Jan) 107 (1) 113-21.  
Journal code: 7500844. ISSN: 0303-7207.

L74 ANSWER 32 OF 40 MEDLINE DUPLICATE 18  
TI Expression of genomic and cDNA transgenes after co-integration in transgenic mice.  
SO TRANSGENIC RESEARCH, (1995 Jan) 4 (1) 39-43.  
Journal code: 9209120. ISSN: 0962-8819.

L74 ANSWER 33 OF 40 MEDLINE DUPLICATE 19  
TI Tissue-specific, temporally regulated expression mediated by the proximal ovine beta-lactoglobulin promoter in transgenic mice.  
SO CELLULAR AND MOLECULAR BIOLOGY RESEARCH, (1995) 41 (1) 11-5.  
Journal code: 9316986. ISSN: 0968-8773.

L74 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Regulation of the sheep .beta.-lactoglobulin gene by lactogenic hormones is mediated by a transcription factor that binds an interferon-.gamma. activation site-related element  
SO Mol. Endocrinol. (1994), 8(11), 1528-36  
CODEN: MOENEN; ISSN: 0888-8809

L74 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Ectopic expression of .beta.-lactoglobulin/human serum albumin fusion

genes in transgenic mice: hormonal regulation and in situ localization  
SO Transgenic Res. (1994), 3(3), 141-51  
CODEN: TRSEES; ISSN: 0962-8819

L74 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Expression of human serum albumin in the milk of transgenic mice  
SO Transgenic Res. (1992), 1(5), 195-208  
CODEN: TRSEES

L74 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Position-independent expression of the ovine .beta.-lactoglobulin gene in transgenic mice  
SO Biochem. J. (1992), 286(1), 31-9  
CODEN: BJOAK; ISSN: 0306-3275

L74 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Interaction of DNA-binding proteins with a milk protein gene promoter in vitro: identification of a mammary gland-specific factor  
SO Nucleic Acids Res. (1991), 19(23), 6603-10  
CODEN: NARHAD; ISSN: 0305-1048

L74 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI High level expression of active human alpha-1-antitrypsin in the milk of transgenic sheep  
SO Bio/Technology (1991), 9(9), 830-4  
CODEN: BTCHDA; ISSN: 0733-222X

L74 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2002 ACS  
TI Manufacture of protein with transgenic mammals  
SO PCT Int. Appl., 101 pp.  
CODEN: PIXXD2

=> d ibib ab 40,39,33,31,15,12,7

L74 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1990:586092 CAPLUS  
DOCUMENT NUMBER: 113:186092  
TITLE: Manufacture of protein with transgenic mammals  
INVENTOR(S): Archibald, Alan Langskil; Clark, Anthony John; Harris, Stephen; McClenaghan, Margaret; Simons, John Paul; Whitelaw, Christopher Bruce Ale  
PATENT ASSIGNEE(S): Pharmaceutical Proteins Ltd., UK  
SOURCE: PCT Int. Appl., 101 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9005188	A1	19900517	WO 1989-GB1343	19891113
	W:	AU, DK, FI, HU, JP, KR, NO, SU, US RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE		
AU 8944943	A1	19900528	AU 1989-44943	19891113
AU 628101	B2	19920910		
EP 396699	A1	19901114	EP 1989-912273	19891113
EP 396699	B1	19971001 R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE		
JP 03505674	T2	19911212	JP 1989-511400	19891113
JP 3141999	B2	20010307		
AT 158817	E	19971015	AT 1989-912273	19891113
US 5861299	A	19990119	US 1994-343884	19941117
US 5650503	A	19970722	US 1994-359854	19941220
PRIORITY APPLN. INFO.:			GB 1988-26446	A 19881111
			WO 1989-GB1343	A 19891113
			US 1990-536672	B3 19900911
			US 1992-925737	B1 19920807
			US 1992-926192	B1 19920807

AB A genetic construct that uses the 5' flanking sequence from a mammalian milk-protein gene to express a heterologous gene contg. >1, but not all customary introns is used to prep. transgenic mammals. The transgenic mammals may be used to produce the heterologous protein that, being expressed from a milk-protein gene, are secreted into milk for easier recovery of the protein. A cassette contg. the genomic sequences for human liver .alpha.1-antitrypsin minus intron 1 fused to the promoter of the ovine .beta.-lactoglobulin gene was prep'd. This construct was used to prep. transgenic mice by std. methods. Transgenic offspring were identified by Northern blotting, and .alpha.1-antitrypsin was found by immunoblotting of milk from transgenic females. Transgenic sheep contg. a human blood clotting factor IX gene were also prep'd.

L74 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1992:122167 CAPLUS  
DOCUMENT NUMBER: 116:122167  
TITLE: High level expression of active human .alpha.1-antitrypsin in the milk of transgenic sheep  
AUTHOR(S): Wright, G.; Carver, A.; Cottom, D.; Reeves, D.; Scott,

A.; Simons, P.; Wilmut, I.; Garner, I.; Colman, A.  
CORPORATE SOURCE: Pharm. Proteins Ltd., Edinburgh, EH9 3JQ, UK

SOURCE: Bio/Technology (1991), 9(9), 830-4  
CODEN: BTCHDA; ISSN: 0733-222X

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The generation of 5 sheep transgenic for a fusion of the ovine .beta.-lactoglobulin gene promoter to the human .alpha.1-antitrypsin (h.alpha.1AT) genomic sequences is described. Four of these animals are

female and 1 male. Anal. of the expression of h.alpha.1AT in the milk of

3 of these females shows that all express the human protein at levels greater than 1 g per L. In one case initial levels exceeded 60 g/L and stabilized at approx. 35 g/L as lactation progressed. Human .alpha.1AT

purified from the milk of these animals appears to be fully N-glycosylated

and has a biol. activity indistinguishable from human plasma-derived material.

L74 ANSWER 33 OF 40 MEDLINE

DUPLICATE 19

ACCESSION NUMBER: 96015490 MEDLINE

DOCUMENT NUMBER: 96015490 PubMed ID: 7550448

TITLE: Tissue-specific, temporally regulated expression mediated

by the proximal ovine beta-lactoglobulin promoter in transgenic mice.

AUTHOR: Webster J; Wallace R M; Clark A J; Whitelaw C B

CORPORATE SOURCE: Division of Molecular Biology, Roslin Institute (Edinburgh), Scotland, UK.

(Edinburgh), Scotland, UK.

SOURCE: CELLULAR AND MOLECULAR BIOLOGY RESEARCH, (1995) 41 (1)

11-5.

Journal code: 9316986. ISSN: 0968-8773.

PUB. COUNTRY: United States

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199510

ENTRY DATE: Entered STN: 19951227

Last Updated on STN: 19980206

Entered Medline: 19951027

AB The ovine beta-lactoglobulin gene is expressed abundantly in the mammary gland. This study determines whether the ovine beta-

lactoglobulin promoter is sufficient for targeting tissue-specific expression in transgenic mice. To address this, the expression profile of an ovine beta-lactoglobulin promoter driven bacterial chloramphenicol acetyltransferase reporter construct was analysed. Comparison of the expression frequency of

this hybrid transgene to that of a genomic beta-lactoglobulin transgene

indicates that additional sequences, downstream of the promoter, are required for position-independent expression in transgenic mice.

Nevertheless, the hybrid transgene was expressed specifically in the mammary gland. Furthermore, the hybrid transgene was expressed in the

appropriate temporal pattern during pregnancy and lactation. Thus, the

proximal promoter of the ovine beta-lactoglobulin gene contains sufficient sequence information to target expression to the mammary.

This

construct constitutes the basis for a compact mammary expression vector.

L74 ANSWER 31 OF 40 MEDLINE

DUPLICATE 17

ACCESSION NUMBER: 95317446 MEDLINE

DOCUMENT NUMBER: 95317446 PubMed ID: 7796930

TITLE: The proximal milk protein binding factor binding site is required for the prolactin responsiveness of the sheep beta-lactoglobulin promoter in Chinese hamster ovary cells.

AUTHOR: Demmer J; Burdon T G; Djiane J; Watson C J; Clark A J

CORPORATE SOURCE: Roslin Institute (Edinburgh), UK.

SOURCE: MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Jan) 107 (1)

113-21.

Journal code: 7500844. ISSN: 0303-7207.

PUB. COUNTRY: Ireland

Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199508

ENTRY DATE: Entered STN: 19950817

Last Updated on STN: 19950817

Entered Medline: 19950803

AB To identify cis-acting prolactin (PRL) response elements within the sheep beta-lactoglobulin (BLG) promoter, CHO cells were co-transfected with a rabbit PRL-receptor (PRL-R) expression

plasmid and a number of BLG-CAT constructs. Resection through the 4200 bp

BLG promoter diminished the PRL response. Mutation of the proximal binding

site for milk protein binding factor (MPBF), a previously described mammary gland transcription factor, abolished the PRL inducibility of full

length and shorter forms of the promoter. MPBF was shown to be similar to the Stat protein mammary gland factor (MGF) which has been shown to

mediate PRL responsiveness of the rat beta-casein gene in mammary cells.

MPBF binding activity was detected in the nucleus of CHO cells and was

increased 2-6-fold in cells stably transfected with the PRL-R. The lactating mammary gland has high levels of MPBF binding activity and it is

likely that this has an important role in the PRL induction of a variety of milk protein genes.

L74 ANSWER 15 OF 40 MEDLINE

ACCESSION NUMBER: 1998174904 MEDLINE

DOCUMENT NUMBER: 98174904 PubMed ID: 9513717

TITLE: Gene expression in the mammary glands of transgenic animals.

AUTHOR: Clark A J

CORPORATE SOURCE: Division of Molecular Biology, Roslin Institute, Midlothian, Scotland, U.K.  
SOURCE: BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 133-40. Ref: 29  
Journal code: 7506896. ISSN: 0067-8694.  
PUB. COUNTRY: ENGLAND: United Kingdom  
Journal; Article; (JOURNAL ARTICLE)  
General Review; (REVIEW)  
(REVIEW, TUTORIAL)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199804  
ENTRY DATE: Entered STN: 19980430  
Last Updated on STN: 19980430  
Entered Medline: 19980423

AB The gene encoding the milk protein beta-lactoglobulin in sheep is expressed in the mammary gland in a tissue-specific manner during pregnancy and lactation. The unmodified sheep gene behaves appropriately in transgenic mice, and we have shown that many of the cis-acting elements that mediate this pattern of expression are located in the proximal 400 bp of the promoter. Using a combination of approaches we have identified a number of discrete cis-acting elements and their corresponding trans-acting factors that control the responsiveness of this gene in vivo. The beta-lactoglobulin promoter elements can be used to target the expression of foreign genes to the mammary gland in transgenic mice. We have used this approach in basic studies of mammary gland biology and for the production of therapeutic proteins in the milk of transgenic animals. In these circumstances, however, the promoter rarely functions optimally, and it may even be silenced; consequently, we have had to develop a number of strategies to overcome this problem. Nevertheless, foreign proteins do appear to be appropriately post-translationally modified when they are expressed in the mammary gland.

L74 ANSWER 12 OF 40 MEDLINE DUPLICATE 6  
ACCESSION NUMBER: 1999057556 MEDLINE  
DOCUMENT NUMBER: 99057556 PubMed ID: 9837761  
TITLE: Chromatin structures of goat and sheep beta-lactoglobulin gene differ.

AUTHOR: Pena R N; Folch J M; Sanchez A; Whitelaw C B  
CORPORATE SOURCE: Unitat de Genetica i Millora, Departament de Patologia i Produccio Animals, Facultat de Veterinaria, Universitat Autonoma de Barcelona, Bellaterra, 08193, Spain.. romi@guara.uab.es

SOURCE: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1998 Nov 27) 252 (3) 649-53.  
Journal code: 0372516. ISSN: 0006-291X.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199901  
ENTRY DATE: Entered STN: 19990128  
Last Updated on STN: 19990128  
Entered Medline: 19990114  
AB Different levels of the major milk protein beta-lactoglobulin are found in evolutionarily related ruminant species: with sheep milk containing as much as three times the concentration in goat milk. In an attempt to understand why these differences exist, we have

characterised, using DNaseI as a probe of structure, the chromatin surrounding the goat beta-lactoglobulin promoter and compared it to that of the sheep homologue. The goat gene displays a mammary-specific chromatin pattern, which is reformed on expressing goat beta-lactoglobulin transgenes. This implies that this chromatin structure is sequence dependent and suggests that it plays a role in regulating beta-lactoglobulin gene expression. This pattern differs from that seen on the ovine beta-lactoglobulin gene in lactating sheep mammary chromatin. Thus, even between highly related species, the transcriptional mechanisms regulating activity of a gene can differ. Copyright 1998 Academic Press.

L74 ANSWER 7 OF 40 MEDLINE DUPLICATE 3  
ACCESSION NUMBER: 1999140206 MEDLINE  
DOCUMENT NUMBER: 99140206 PubMed ID: 10206655  
TITLE: In vivo and in vitro expression of human serum albumin genomic sequences in mammary epithelial cells with beta-lactoglobulin and whey acidic protein promoters.  
AUTHOR: Barash I; Faerman A; Richenstein M; Kari R; Damary G M; Shani M; Bissell M J  
CORPORATE SOURCE: Institute of Animal Science, Agricultural Research Organization, The Volcani Center, Bet Dagan, Israel.  
SOURCE: MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Mar) 52 (3) 241-52.  
Journal code: 8903333. ISSN: 1040-452X.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199904  
ENTRY DATE: Entered STN: 19990426  
Last Updated on STN: 19990426  
Entered Medline: 19990413

AB The expression pattern of human serum albumin (HSA) in transgenic mice carrying various HSA genomic sequences driven either by the mouse whey

acidic protein (WAP) or the sheep beta-lactoglobulin (BLG) promoters, was compared. The pattern of HSA expression in both WAP/HSA and BLG/HSA transgenic lines was copy number independent, and the major site of ectopic expression was the skeletal muscle.

Although an equal proportion of expressors was determined in both sets of mice (approximately 25% secreting >0.1 mg/ml), the highest level of HSA secreted into the milk in the WAP/HSA transgenic lines was one order of magnitude lower than in the BLG/HSA lines. Despite this difference, the

HSA expression patterns in the mammary gland were similar and consisted of two levels of variegated expression. Studies using mammary explant cultures revealed a comparable responsiveness to the lactogenic hormones

insulin, hydrocortisone, and prolactin, although the WAP/HSA gene constructs were more sensitive to the hydrocortisone effect than were the

BLG/HSA vectors. When HSA vectors were stably transfected into the mouse mammary cell line CID-9, they displayed a hierarchy of expression, dependent upon the specific complement of HSA introns included. Nevertheless, the expression of HSA in four out of five WAP/HSA constructs

was similar to their BLG/HSA counterparts. This construct-dependent, and

promoter-independent, hierarchy was also found following transfection into

the newly established Golda-1 ovine mammary epithelial cell line.

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PROCESSING COMPLETED FOR L39  
L75 102 DUP REM L39 (98 DUPLICATES REMOVED)

=> d ti so 50-102

L75 ANSWER 50 OF 102 MEDLINE DUPLICATE 32  
TI Upstream genomic sequence of the human connexin26 gene.  
SO GENE, (1997 Oct 15) 199 (1-2) 165-71.  
Journal code: 7706761. ISSN: 0378-1119.

L75 ANSWER 51 OF 102 MEDLINE  
TI Prolactin receptor subtypes: a possible mode of tissue specific regulation of prolactin function.  
SO REVIEWS OF REPRODUCTION, (1997 Jan) 2 (1) 14-8. Ref: 30  
Journal code: 9602351. ISSN: 1359-6004.

L75 ANSWER 52 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Viral and plasmid vectors encoding mouse mammary tumor virus Naf repressor or Sag antigen for control of viral infections or lymphocyte gene therapy  
SO PCT Int. Appl., 44 pp.  
CODEN: PIIXD2

L75 ANSWER 53 OF 102 MEDLINE DUPLICATE 33  
TI Hormonally regulated double- and single-stranded DNA-binding complexes involved in mouse beta-casein gene transcription.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Apr 12) 271 (15) 8911-8.  
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 54 OF 102 BIOSIS COPYRIGHT 2002  
BIOLOGICAL ABSTRACTS INC.  
TI Defining candidate genes for mastitis resistance in cattle: The role of lactoferrin and lysozyme.  
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp. 269-276.  
ISSN: 0931-2668.

L75 ANSWER 55 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI An efficient expression of human growth hormone (hGH) in the milk of transgenic mice using rat .beta.-casein/hGH fusion genes  
SO Appl. Biochem. Biotechnol. (1996), 56(3), 211-22  
CODEN: ABIBDL; ISSN: 0273-2289

L75 ANSWER 56 OF 102 MEDLINE DUPLICATE 34  
TI Transgene expression in mammary glands of newborn rats.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1996 Feb) 43 (2) 145-9.  
Journal code: 8903333. ISSN: 1040-452X.

L75 ANSWER 57 OF 102 MEDLINE DUPLICATE 35  
TI Expression of cDNA-encoded human acid alpha-glucosidase in milk of transgenic mice.  
SO BIOCHIMICA ET BIOPHYSICA ACTA, (1996 Aug 14) 1308 (2) 93-6.  
Journal code: 0217513. ISSN: 0006-3002.

L75 ANSWER 58 OF 102 MEDLINE DUPLICATE 36  
TI Cloning, sequencing and functional analysis of a truncated cDNA encoding red deer prolactin receptor: an alternative tyrosine residue mediates beta-casein promoter activation.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1996

Oct 14) 123 (1) 17-26.  
Journal code: 7500844. ISSN: 0303-7207.

L75 ANSWER 59 OF 102 MEDLINE DUPLICATE 37  
TI CCAAT/enhancer-binding protein isoforms beta and delta are expressed in mammary epithelial cells and bind to multiple sites in the beta-casein gene promoter.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Jul 28) 270 (30) 17962-9.  
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 60 OF 102 MEDLINE DUPLICATE 38  
TI Epidermal growth factor induces the tyrosine phosphorylation and nuclear translocation of Stat 5 in mouse liver.  
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1995 May 9) 92 (10) 4215-8.  
Journal code: 7505876. ISSN: 0027-8424.

L75 ANSWER 61 OF 102 MEDLINE DUPLICATE 39  
TI Interaction of retinoids with steroid and peptide hormones in modulating morphological and functional differentiation of normal rat mammary epithelial cells.  
SO ENDOCRINOLOGY, (1995 Apr) 136 (4) 1718-30.  
Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 62 OF 102 MEDLINE DUPLICATE 40  
TI Developmentally and hormonally regulated CCAAT/enhancer-binding protein isoforms influence beta-casein gene expression.  
SO MOLECULAR ENDOCRINOLOGY, (1995 Sep) 9 (9) 1223-32.  
Journal code: 8801431. ISSN: 0888-8809.

L75 ANSWER 63 OF 102 MEDLINE DUPLICATE 41  
TI Laminin mediates tissue-specific gene expression in mammary epithelia.  
SO JOURNAL OF CELL BIOLOGY, (1995 May) 129 (3) 591-603.  
Journal code: 0375356. ISSN: 0021-9525.

L75 ANSWER 64 OF 102 MEDLINE DUPLICATE 42  
TI Tenascin-C inhibits extracellular matrix-dependent gene expression in mammary epithelial cells. Localization of active regions using recombinant tenascin fragments.  
SO JOURNAL OF CELL SCIENCE, (1995 Feb) 108 ( Pt 2) 519-27.  
Journal code: 0052457. ISSN: 0021-9533.

L75 ANSWER 65 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Cloning and sequencing of rat .beta.-casein gene regulatory sequence and the construction of mammary gland-specific expression vector  
SO Shengwu Huaxue Zazhi (1995), 11(4), 377-80  
CODEN: SHZAE4; ISSN: 1000-8543

L75 ANSWER 66 OF 102 MEDLINE DUPLICATE 43  
TI High-level, stage- and mammary-tissue-specific expression of a caprine kappa-casein-encoding minigene driven by a beta-casein promoter in transgenic mice.  
SO GENE, (1995 Nov 20) 165 (2) 291-6.  
Journal code: 7706761. ISSN: 0378-1119.

L75 ANSWER 67 OF 102 MEDLINE DUPLICATE 44  
TI Functional activity of the human prolactin receptor and its ligands.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Oct 30) 114 (1-2) 91-9.  
Journal code: 7500844. ISSN: 0303-7207.

L75 ANSWER 68 OF 102 MEDLINE DUPLICATE 45  
TI beta-Casein mRNA sequesters a single-stranded nucleic acid-

binding protein  
which negatively regulates the beta-casein gene promoter.  
SO MOLECULAR AND CELLULAR BIOLOGY, (1994 Sep) 14 (9)  
6004-12.  
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 69 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Developmental profiles of DNA-binding proteins with a milk  
protein gene  
promoter in mammary glands  
SO Mol. Cells (1994), 4(4), 439-43  
CODEN: MOCEEK; ISSN: 1016-8478

L75 ANSWER 70 OF 102 MEDLINE DUPLICATE 46  
TI Protein kinase C and mammary cell differentiation: involvement of  
protein  
kinase C alpha in the induction of beta-casein expression.  
SO CELL GROWTH AND DIFFERENTIATION, (1994 Mar) 5 (3)  
239-47.  
Journal code: 9100024. ISSN: 1044-9523.

L75 ANSWER 71 OF 102 MEDLINE DUPLICATE 47  
TI Transcriptional activation by viral enhancers: critical dependence on  
extracellular matrix-cell interactions in mammary epithelial cells.  
SO MOLECULAR CARCINOGENESIS, (1994 Jun) 10 (2) 66-71.  
Journal code: 8811105. ISSN: 0899-1987.

L75 ANSWER 72 OF 102 MEDLINE DUPLICATE 48  
TI Interaction of two sequence-specific single-stranded DNA-binding  
proteins  
with an essential region of the beta-casein gene promoter is regulated  
by  
lactogenic hormones.  
SO MOLECULAR AND CELLULAR BIOLOGY, (1993 Dec) 13 (12)  
7303-10.  
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 73 OF 102 BIOSIS COPYRIGHT 2002  
BIOLOGICAL ABSTRACTS INC.  
DUPLICATE 49  
TI Production of transgenic mice and rabbits that carry and express  
the human tissue plasminogen activator cDNA under the control of a  
bovine  
alpha S1 casein promoter.  
SO Theriogenology, (1993) Vol. 39, No. 5, pp. 1173-1185.  
ISSN: 0093-691X.

L75 ANSWER 74 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI DNA-binding proteins and their cis-acting sites controlling  
hormonal  
induction of a mouse .beta.-casein::CAT fusion protein in mammary  
epithelial cells  
SO Gene (1993), 126(2), 195-201  
CODEN: GENED6; ISSN: 0378-1119

L75 ANSWER 75 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Mouse mammary tumor virus promoter directs high-level  
expression of bovine  
.alpha.S1 casein in the milk of transgenic heterozygous and  
homozygous  
mice  
SO Anim. Biotechnol. (1993), 4(1), 89-107  
CODEN: ANBTEN; ISSN: 1049-5398

L75 ANSWER 76 OF 102 MEDLINE DUPLICATE 50  
TI Glucocorticoid receptor binding sites in the promoter region of milk  
protein genes.  
SO JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR  
BIOLOGY, (1993 Dec) 47 (1-6)  
75-81.  
Journal code: 9015483. ISSN: 0960-0760.

L75 ANSWER 77 OF 102 BIOSIS COPYRIGHT 2002  
BIOLOGICAL ABSTRACTS INC.

DUPLICATE 51  
TI Development of the transgenic mice secreting human growth  
hormone in milk.  
SO Korean Journal of Animal Science, (1993) Vol. 35, No. 1, pp. 32-  
38.  
ISSN: 0367-5807.

L75 ANSWER 78 OF 102 MEDLINE DUPLICATE 52  
TI The activated mammary gland specific nuclear factor (MGF)  
enhances in  
vitro transcription of the beta-casein gene promoter.  
SO JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR  
BIOLOGY, (1993 Dec) 47 (1-6)  
21-30.  
Journal code: 9015483. ISSN: 0960-0760.

L75 ANSWER 79 OF 102 BIOSIS COPYRIGHT 2002  
BIOLOGICAL ABSTRACTS INC.  
TI Ha-ras and v-raf oncogenes, but not int-2 and c-myc, interfere with  
the  
lactogenic hormone dependent activation of the mammary gland  
specific  
transcription factor.  
SO Cell Growth & Differentiation, (1993) Vol. 4, No. 1, pp. 9-15.  
ISSN: 1044-9523.

L75 ANSWER 80 OF 102 MEDLINE DUPLICATE 53  
TI Mammary gland-specific nuclear factor is present in lactating rodent  
and  
bovine mammary tissue and composed of a single polypeptide of 89  
kDa.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Aug 15) 267  
(23) 16365-70.  
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 81 OF 102 MEDLINE DUPLICATE 54  
TI A pregnancy-specific mammary nuclear factor involved in the  
repression of  
the mouse beta-casein gene transcription by progesterone.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1992 Mar 25) 267  
(9) 5797-801.  
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 82 OF 102 MEDLINE DUPLICATE 55  
TI Overexpression of Mos, Ras, Src, and Fos inhibits mouse mammary  
epithelial  
cell differentiation.  
SO MOLECULAR AND CELLULAR BIOLOGY, (1992 Sep) 12 (9)  
3890-902.  
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 83 OF 102 MEDLINE DUPLICATE 56  
TI Developmental and environmental regulation of a mammary gland-  
specific  
nuclear factor essential for transcription of the gene encoding  
beta-casein.  
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF  
SCIENCES OF THE UNITED STATES OF  
AMERICA, (1992 Apr 1) 89 (7) 3130-4.  
Journal code: 7505876. ISSN: 0027-8424.

L75 ANSWER 84 OF 102 MEDLINE DUPLICATE 57  
TI Progesterone regulation of a pregnancy-specific transcription  
repressor to  
beta-casein gene promoter in mouse mammary  
gland.  
SO ENDOCRINOLOGY, (1992 Nov) 131 (5) 2257-62.  
Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 85 OF 102 MEDLINE DUPLICATE 58  
TI Mammary gland-specific nuclear factor activity is positively  
regulated by  
lactogenic hormones and negatively by milk stasis.  
SO MOLECULAR ENDOCRINOLOGY, (1992 Dec) 6 (12) 1988-97.

L75 ANSWER 86 OF 102 MEDLINE DUPLICATE 59  
TI A novel transcriptional enhancer is involved in the prolactin- and extracellular matrix-dependent regulation of beta-casein gene expression.  
SO MOLECULAR BIOLOGY OF THE CELL, (1992 Jun) 3 (6) 699-709.

Journal code: 9201390. ISSN: 1059-1524.

L75 ANSWER 87 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Effect of the 3' flanking sequences of rat .beta.-casein and human growth hormone genes on gene expression in mammary epithelial cells  
SO Mol. Cells (1992), 2(3), 315-20  
CODEN: MOCEEK; ISSN: 1016-8478

L75 ANSWER 88 OF 102 MEDLINE DUPLICATE 60  
TI Production of cystic fibrosis transmembrane conductance regulator in the milk of transgenic mice.  
SO BIO/TECHNOLOGY, (1992 Jan) 10 (1) 74-7.  
Journal code: 8309273. ISSN: 0733-222X.

L75 ANSWER 89 OF 102 MEDLINE DUPLICATE 60  
TI Differential effects of the simian virus 40 early genes on mammary epithelial cell growth, morphology, and gene expression.  
SO EXPERIMENTAL CELL RESEARCH, (1992 Sep) 202 (1) 67-76.  
Journal code: 0373226. ISSN: 0014-4827.

L75 ANSWER 90 OF 102 MEDLINE DUPLICATE 61  
TI Beta-casein gene promoter activity is regulated by the hormone-mediated relief of transcriptional repression and a mammary-gland-specific nuclear factor.  
SO MOLECULAR AND CELLULAR BIOLOGY, (1991 Jul) 11 (7) 3745-55.  
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 91 OF 102 MEDLINE DUPLICATE 62  
TI A heterologous hormone response element enhances expression of rat beta-casein promoter-driven chloramphenicol acetyltransferase fusion genes in the mammary gland of transgenic mice.  
SO MOLECULAR ENDOCRINOLOGY, (1991 Oct) 5 (10) 1504-12.  
Journal code: 8801431. ISSN: 0888-8809.

L75 ANSWER 92 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Synergistic action of glucocorticoid and insulin in expression of transfected rat .beta.-casein promoter/human growth hormone fusion gene in a mammary epithelial cell line  
SO Mol. Cells (1991), 1(4), 459-64  
CODEN: MOCEEK; ISSN: 1016-8478

L75 ANSWER 93 OF 102 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI IDENTIFICATION OF CIS-ACTING DNA ELEMENTS REQUIRED FOR HORMONAL INDUCTION OF MOUSE BETA CASEIN GENE PROMOTER.  
SO ABSTRACTS OF PAPERS PRESENTED AT THE THIRTY-FIRST ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, BOSTON, MASSACHUSETTS, USA, DECEMBER 8-12, 1991. J CELL BIOL. (1991) 115 (3 PART 2), 153A.  
CODEN: JCLBA3. ISSN: 0021-9525.

L75 ANSWER 94 OF 102 MEDLINE  
TI Regulation of expression of genes for milk proteins.  
SO BIOTECHNOLOGY, (1991) 16 65-74.  
Journal code: 8300602. ISSN: 0740-7378.

L75 ANSWER 95 OF 102 CAPLUS COPYRIGHT 2002 ACS

TI Expression vectors for secretion of heterologous proteins into milk  
SO Eur. Pat. Appl., 55 pp.  
CODEN: EPXXDW

L75 ANSWER 96 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Extracellular matrix and hormones transcriptionally regulate bovine .beta.-casein 5' sequences in stably transfected mouse mammary cells  
SO Proc. Natl. Acad. Sci. U. S. A. (1990), 87(23), 9118-22  
CODEN: PNASA6; ISSN: 0027-8424

L75 ANSWER 97 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Transfection of .beta.-casein chimeric gene and hormonal induction of its expression in primary murine mammary epithelial cells  
SO Proc. Natl. Acad. Sci. U. S. A. (1990), 87(10), 3670-4  
CODEN: PNASA6; ISSN: 0027-8424

L75 ANSWER 98 OF 102 MEDLINE DUPLICATE 63  
TI Prolactin and glucocorticoid hormones control transcription of the beta-casein gene by kinetically distinct mechanisms.  
SO MOLECULAR ENDOCRINOLOGY, (1990 Jun) 4 (6) 912-9.  
Journal code: 8801431. ISSN: 0888-8809.

L75 ANSWER 99 OF 102 MEDLINE DUPLICATE 64  
TI Differential regulation of rat beta-casein-chloramphenicol acetyltransferase fusion gene expression in transgenic mice.  
SO MOLECULAR AND CELLULAR BIOLOGY, (1989 Feb) 9 (2) 560-5.  
Journal code: 8109087. ISSN: 0270-7306.

L75 ANSWER 100 OF 102 MEDLINE DUPLICATE 65  
TI Relative contribution of promoter and intragenic sequences in the hormonal regulation of rat beta-casein transgenes.  
SO MOLECULAR ENDOCRINOLOGY, (1989 Mar) 3 (3) 447-53.  
Journal code: 8801431. ISSN: 0888-8809.

L75 ANSWER 101 OF 102 MEDLINE DUPLICATE 66  
TI Prolactin and glucocorticoid hormones synergistically induce expression of transfected rat beta-casein gene promoter constructs in a mammary epithelial cell line.  
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1989 Jan) 86 (1) 104-8.  
Journal code: 7505876. ISSN: 0027-8424.

L75 ANSWER 102 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Manufacture of recombinant proteins by secretion into milk of transgenic mammals  
SO PCT Int. Appl., 20 pp.  
CODEN: PIXXD2

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L75 ANSWER 1 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Raising antibody concentration in milk of polymeric Ig receptor transgenic animals  
SO PCT Int. Appl., 39 pp.  
CODEN: PIXXD2

L75 ANSWER 2 OF 102 MEDLINE DUPLICATE 1  
TI Osteoprotegerin ligand induces beta-casein gene expression through the transcription factor CCAAT/enhancer-binding protein beta.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2002 Feb 15) 277 (7) 5339-44.  
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 3 OF 102 MEDLINE DUPLICATE 2  
TI Expression and transactivating functions of the bZIP transcription factor  
GADD153 in mammary epithelial cells.

SO ONCOGENE, (2002 Jun 20) 21 (27) 4289-300.  
Journal code: 8711562. ISSN: 0950-9232.

L75 ANSWER 4 OF 102 MEDLINE DUPLICATE 3  
TI PRL signal transduction in the epithelial compartment of rat prostate maintained as long-term organ cultures in vitro.  
SO ENDOCRINOLOGY, (2002 Jan) 143 (1) 228-38.  
Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 5 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI High expression of human FIX(hFIX) in transgenic mice directed by goat .beta.-casein gene promoter  
SO Yichuan Xuebao (2002), 29(3), 206-211  
CODEN: ICHPCG; ISSN: 0379-4172

L75 ANSWER 6 OF 102 MEDLINE DUPLICATE 4  
TI Comparative analysis on the structural features of the 5' flanking region of kappa-casein genes from six different species.  
SO Genet Sel Evol, (2002 Jan-Feb) 34 (1) 117-28.  
Journal code: 9114088. ISSN: 0999-193X.

L75 ANSWER 7 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Immune tolerant transgenic rats secreting human growth hormone into milk  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF

L75 ANSWER 8 OF 102 MEDLINE DUPLICATE 5  
TI Isolation and characterization of two novel forms of the human prolactin receptor generated by alternative splicing of a newly identified exon 11.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Nov 2) 276 (44) 41086-94.  
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 9 OF 102 MEDLINE DUPLICATE 6  
TI Role of signal transducer and activator of transcription 5 in nucleophosmin/ anaplastic lymphoma kinase-mediated malignant transformation of lymphoid cells.  
SO CANCER RESEARCH, (2001 Sep 1) 61 (17) 6517-23.  
Journal code: 2984705R. ISSN: 0008-5472.

L75 ANSWER 10 OF 102 MEDLINE DUPLICATE 7  
TI 2-Amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) modulates lactogenic hormone-mediated differentiation and gene expression in HC11 mouse mammary epithelial cells.  
SO CELL GROWTH AND DIFFERENTIATION, (2001 Dec) 12 (12) 649-56.  
Journal code: 9100024. ISSN: 1044-9523.

L75 ANSWER 11 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI High expression of human serum albumin in milk of transgenic mice directed by the goat .beta.-casein gene promoter region  
SO Chinese Science Bulletin (2001), 46(7), 582-586  
CODEN: CSBUEF; ISSN: 1001-6538

L75 ANSWER 12 OF 102 MEDLINE DUPLICATE 8  
TI The milk protein promoter is a useful tool for developing a rat with tolerance to a human protein.  
SO TRANSGENIC RESEARCH, (2001 Dec) 10 (6) 571-5.  
Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 13 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Tissue specific expression of human serum albumin gene using goat

.beta.-casein gene promoter in mouse tissue  
SO Yichuan (2001), 23(6), 518-520  
CODEN: ICHUDW; ISSN: 0253-9772

L75 ANSWER 14 OF 102 MEDLINE DUPLICATE 9  
TI Bovine alpha-s1-casein gene sequences direct expression of a variant of human tissue plasminogen activator in the milk of transgenic mice.  
SO I CHUAN HSUEH PAO. ACTA GENETICA SINICA, (2001 May) 28 (5) 405-10.  
Journal code: 7900784. ISSN: 0379-4172.

L75 ANSWER 15 OF 102 MEDLINE DUPLICATE 10  
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SO EXPERIMENTAL ANIMALS, (2001 Oct) 50 (5) 365-9.  
Journal code: 9604830. ISSN: 1341-1357.

L75 ANSWER 16 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic mice carrying a gene for green fluorescent protein fused to a lytic peptide, Shiva 1, under control of the bovine .beta.-casein regulatory region  
SO Transgenics (2001), 3(2-4), 183-197  
CODEN: TADTEF; ISSN: 1023-6171

L75 ANSWER 17 OF 102 MEDLINE DUPLICATE 11  
TI A comparative study on the integration of exogenous DNA into mouse, rat, rabbit, and pig genomes.  
SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.  
Journal code: 9604830. ISSN: 1341-1357.

L75 ANSWER 18 OF 102 MEDLINE DUPLICATE 12  
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SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2000 Dec 15) 275 (50) 39718-26.  
Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 19 OF 102 MEDLINE  
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SO JOURNAL OF IMMUNOLOGY, (2000 Nov 1) 165 (9) 5097-104.  
Journal code: 2985117R. ISSN: 0022-1767.

L75 ANSWER 20 OF 102 MEDLINE DUPLICATE 13  
TI Activation of NF-kappaB p50/p65 is regulated in the developing mammary gland and inhibits STAT5-mediated beta-casein gene expression.  
SO FASEB JOURNAL, (2000 Jun) 14 (9) 1159-70.  
Journal code: 8804484. ISSN: 0892-6638.

L75 ANSWER 21 OF 102 MEDLINE DUPLICATE 14  
TI CrkL functions as a nuclear adaptor and transcriptional activator in Bcr-Abl-expressing cells.  
SO EXPERIMENTAL HEMATOLOGY, (2000 Mar) 28 (3) 305-10.  
Journal code: 0402313. ISSN: 0301-472X.

L75 ANSWER 22 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Genomic human lactoferrin sequence induced high levels of protein expression in milk of transgenic mice  
SO International Congress Series (2000), 1195(Lactoferrin: Structure, Function and Applications), 279-288  
CODEN: EXMDA4; ISSN: 0531-5131

L75 ANSWER 23 OF 102 MEDLINE DUPLICATE 15  
TI Production of biologically active human granulocyte colony stimulating

factor in the milk of transgenic goat.  
SO TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-22.  
Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 24 OF 102 MEDLINE DUPLICATE 16  
TI Role of androgens in proliferation and differentiation of mouse  
mammary  
epithelial cell line HC11.  
SO JOURNAL OF ENDOCRINOLOGY, (2000 Oct) 167 (1) 53-60.  
Journal code: 0375363. ISSN: 0022-0795.

L75 ANSWER 25 OF 102 MEDLINE DUPLICATE 17  
TI Activation of the Jak/Stat signal transduction pathway in GH-treated  
rat  
osteoblast-like cells in culture.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (2000  
Oct 25) 168 (1-2) 1-9.  
Journal code: 7500844. ISSN: 0303-7207.

L75 ANSWER 26 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic mice carrying a gene for fluorescent protein fused to  
lytic  
peptide Shiva 1 under control of bovine .beta.-casein regulatory  
region  
SO (1999) 157 pp. Avail.: UMI, Order No. DA9951390  
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L75 ANSWER 27 OF 102 CAPLUS COPYRIGHT 2002 ACS  
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albumin fusion  
proteins and their use in drug preparation and gene therapy  
SO PCT Int. Appl., 61 pp.  
CODEN: PLXXD2

L75 ANSWER 28 OF 102 MEDLINE DUPLICATE 18  
TI Precocious differentiation of the virgin Wistar-Kyoto rat mammary  
gland.  
SO ENDOCRINOLOGY, (1999 Jun) 140 (6) 2659-71.  
Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 29 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI Expression and characterization of bioactive human thrombopoietin  
in the  
milk of transgenic mice  
SO DNA and Cell Biology (1999), 18(11), 845-852  
CODEN: DCEBEE; ISSN: 1044-5498

L75 ANSWER 30 OF 102 MEDLINE  
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SO ANNUAL REVIEW OF NUTRITION, (1999) 19 407-36. Ref:  
177  
Journal code: 8209988. ISSN: 0199-9885.

L75 ANSWER 31 OF 102 MEDLINE DUPLICATE 19  
TI Zona pellucida glycoprotein mZP3 produced in milk of transgenic  
mice is  
active as a sperm receptor, but can be lethal to newborns.  
SO TRANSGENIC RESEARCH, (1999 Oct) 8 (5) 361-9.  
Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 32 OF 102 MEDLINE DUPLICATE 20  
TI High-level expression of human lactoferrin in milk of transgenic  
mice  
using genomic lactoferrin sequence.  
SO JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5.  
Journal code: 0376600. ISSN: 0021-924X.

L75 ANSWER 33 OF 102 MEDLINE DUPLICATE 21  
TI A hybrid bovine beta-casein/bGH gene directs transgene expression  
to the  
lung and mammary gland of transgenic mice.  
SO TRANSGENIC RESEARCH, (1999 Aug) 8 (4) 307-11.  
Journal code: 9209120. ISSN: 0962-8819.

L75 ANSWER 34 OF 102 CAPLUS COPYRIGHT 2002 ACS  
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of its  
expression in a mammary epithelial cell line  
SO Transgenics (1999), 3(1), 23-29  
CODEN: TADTEF; ISSN: 1023-6171

L75 ANSWER 35 OF 102 MEDLINE DUPLICATE 22  
TI Analysis of control elements for position-independent expression of  
human  
alpha-lactalbumin YAC.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999  
Sep) 54 (1) 17-23.  
Journal code: 8903333. ISSN: 1040-452X.

L75 ANSWER 36 OF 102 MEDLINE DUPLICATE 23  
TI Thrombopoietin induces association of Crkl with STAT5 but not  
STAT3 in  
human platelets.  
SO BLOOD, (1998 Dec 15) 92 (12) 4652-62.  
Journal code: 7603509. ISSN: 0006-4971.

L75 ANSWER 37 OF 102 MEDLINE DUPLICATE 24  
TI Recombinant human acid alpha-glucosidase: high level production  
in mouse  
milk, biochemical characteristics, correction of enzyme deficiency in  
GSDII KO mice.  
SO HUMAN MOLECULAR GENETICS, (1998 Oct) 7 (11) 1815-24.  
Journal code: 9208958. ISSN: 0964-6906.

L75 ANSWER 38 OF 102 MEDLINE DUPLICATE 25  
TI Selective coupling of STAT factors to the mouse prolactin receptor.  
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1998 Dec 1) 258  
(2) 784-93.  
Journal code: 0107600. ISSN: 0014-2956.

L75 ANSWER 39 OF 102 BIOSIS COPYRIGHT 2002  
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TI Expression and regulation of hFIX minigene and cDNA driven by  
beta-casein  
gene in mouse mammary gland.  
SO Science in China Series C Life Sciences, (Aug., 1998) Vol. 41, No.  
4, pp.  
406-412.  
ISSN: 1006-9305.

L75 ANSWER 40 OF 102 CAPLUS COPYRIGHT 2002 ACS  
TI mammary gland bioreactor for human clotting factor IX  
SO Fudan Xuebao, Ziran Kexueban (1998), 37(4), 365-371  
CODEN: FHPTAY; ISSN: 0427-7104

L75 ANSWER 41 OF 102 MEDLINE DUPLICATE 26  
TI Accurate spatial and temporal transgene expression driven by a  
3.8-kilobase promoter of the bovine beta-casein gene in the lactating  
mouse mammary gland.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1998  
Mar) 49 (3) 236-45.  
Journal code: 8903333. ISSN: 1040-452X.

L75 ANSWER 42 OF 102 MEDLINE DUPLICATE 27  
TI Regulation of gene expression in mammary epithelial cells by  
cellular  
confluence and sequence-specific DNA binding factors.  
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 115-31.  
Journal code: 7506896. ISSN: 0067-8694.

L75 ANSWER 43 OF 102 MEDLINE  
TI Composite response elements mediate hormonal and developmental  
regulation  
of milk protein gene expression.  
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 101-13. Ref:  
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Journal code: 7506896. ISSN: 0067-8694.

L75 ANSWER 44 OF 102 CAPLUS COPYRIGHT 2002 ACS  
 TI Cloning of human genomic lactoferrin sequence and expression in the  
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 SO Advances in Experimental Medicine and Biology (1998),  
 443(Advances in  
 Lactoferrin Research), 79-83  
 CODEN: AEMBAP; ISSN: 0065-2598

L75 ANSWER 45 OF 102 CAPLUS COPYRIGHT 2002 ACS  
 TI Murine protein kinase CK2. $\alpha$ :cDNA and genomic cloning and chromosomal  
 mapping  
 SO Genomics (1998), 48(1), 79-86  
 CODEN: GNMCEP; ISSN: 0888-7543

L75 ANSWER 46 OF 102 MEDLINE DUPLICATE 28  
 TI Transcriptional inhibition by Stat5. Differential activities at growth-related versus differentiation-specific promoters.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Oct 24) 272 (43) 26841-9.  
 Journal code: 2985121R. ISSN: 0021-9258.

L75 ANSWER 47 OF 102 MEDLINE DUPLICATE 29  
 TI Growth hormone-induced tyrosyl phosphorylation and deoxyribonucleic acid binding activity of Stat5A and Stat5B.  
 SO ENDOCRINOLOGY, (1997 Aug) 138 (8) 3426-34.  
 Journal code: 0375040. ISSN: 0013-7227.

L75 ANSWER 48 OF 102 MEDLINE DUPLICATE 30  
 TI STAT5A-deficient mice demonstrate a defect in granulocyte-macrophage colony-stimulating factor-induced proliferation and gene expression.  
 SO BLOOD, (1997 Sep 1) 90 (5) 1768-76.  
 Journal code: 7603509. ISSN: 0006-4971.

L75 ANSWER 49 OF 102 MEDLINE DUPLICATE 31  
 TI The short form of the prolactin (PRL) receptor silences PRL induction of the beta-casein gene promoter.  
 SO MOLECULAR ENDOCRINOLOGY, (1997 Sep) 11 (10) 1449-57.  
 Journal code: 8801431. ISSN: 0888-8809.

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L75 ANSWER 102 OF 102 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1989:451714 CAPLUS  
 DOCUMENT NUMBER: 111:51714  
 TITLE: Manufacture of recombinant proteins by secretion into milk of transgenic mammals  
 INVENTOR(S): Meade, Harry; Longberg, Nils  
 PATENT ASSIGNEE(S): Biogen N. V., Neth.  
 SOURCE: PCT Int. Appl., 20 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8810118	A1	19881229	WO 1988-US2134	19880623
W: JP				
US 4873316	A	19891010	US 1987-65994	19870623
EP 347431	A1	19891227	EP 1988-906454	19880623
EP 347431	B1	19951004		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 02500798	T2	19900322	JP 1988-505800	19880623
JP 2898003	B2	19990531		
AT 128625	E	19951015	AT 1988-906454	19880623

JP 11253097 A2 19990921 JP 1998-357018 19880623  
 JP 2000300115 A2 20001031 JP 2000-71355 19880623  
 US 5750172 A 19980512 US 1995-460959 19950605  
 PRIORITY APPLN. INFO.: US 1987-65994 A 19870623

JP 1988-505800 A3 19880623  
 JP 1988-357018 A3 19880623  
 WO 1988-US2134 W 19880623  
 US 1989-332293 B1 19890331  
 US 1993-109865 B1 19930820  
 US 1994-322984 A1 19941014

AB A method for producing desired proteins by producing transgenic mammals

which secrete the protein into the milk is described. A section of the bovine  $\alpha$ -S-1 casein gene contg. the promoter and signal sequence was cloned. This DNA sequence was ligated to tissue-type plasminogen activator (tPA) cDNA via DNA contg. RNA processing splice sites (which allow the casein signal sequence RNA to be spliced to the tPA-encoding

RNA) to prep. pCAS1151. Preimplantation fertilized mice embryos were microinjected with this (linearized) DNA and then implanted in pseudopregnant female mice. Of 262 embryos injected and implanted, 23 live pups were born, 5 of which contained the desired DNA sequences. Male G0 mice were bred with females. Females of the G1 progeny which contained the tPA sequence produced 0.2-0.5  $\mu$ g tPA/mL milk.

L75 ANSWER 95 OF 102 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:179736 CAPLUS

DOCUMENT NUMBER: 114:179736

TITLE: Expression vectors for secretion of heterologous proteins into milk

INVENTOR(S): Sekine, Susumu; Ito, Seiga; Katsuki, Motoya

PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Japan; Central Institute

for Experimental Animals

SOURCE: Eur. Pat. Appl., 55 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

EP 390592 A2 19901003 EP 1990-303445 19900330  
 EP 390592 A3 19910612

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE  
 JP 02261386 A2 19901024 JP 1989-78574 19890331  
 CA 2013453 AA 19900930 CA 1990-2013453 19900330

PRIORITY APPLN. INFO.: JP 1989-78574 19890331

AB Expression vectors that use regulatory elements from the bovine  $\alpha$ . $\alpha$ .S1

casein gene to drive expression of genes with resultant secretion of the product into the milk of a transgenic animal are constructed and used to manuf. urokinase in mice. The bovine  $\alpha$ . $\alpha$ .S1 gene was cloned using oligonucleotide probes to screen a Sau3A partial digest in EMBL3. The

promoter region and the coding region up to the first intron were then subcloned and used to construct a set of expression vectors in combination

with other regulatory sequences (e.g. rabbit  $\beta$ . $\beta$ .globin polyadenylation sequences) for the manuf. of prourokinase. The linearized plasmids were

microinjected into fertilized eggs of mice. Offspring were screened for

the presence of the foreign DNA and urokinase in milk detd. Yields of 15

units prourokinase/mL were found and the protein was purified by chromatog. and immune-affinity chromatog. with a yield of 33%.

L75 ANSWER 27 OF 102 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1999:811371 CAPLUS

DOCUMENT NUMBER: 132:31780

TITLE: Chimeric genes for human erythropoietin analog-human

serum albumin fusion proteins and their use in drug preparation and gene therapy

INVENTOR(S): Young, Michael W.; Meade, Harry M.; Krane, Ian M.

PATENT ASSIGNEE(S): Genzyme Transgenics Corp., USA

SOURCE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9966054	A2	19991223	WO 1999-US13438	19990615
WO 9966054	A3	20000406		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
AU 9945668 A1 20000105 AU 1999-45668 19990615  
EP 1088084 A2 20010404 EP 1999-928656 19990615  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI  
JP 2002518018 T2 20020625 IP 2000-554863 19990615

PRIORITY APPLN. INFO.: US 1998-89343P P 19980615  
WO 1999-US13438 W 19990615

AB Chimeric genes encoding human erythropoietin analog(EPOa)-human serum

albumin (hSA) fusion proteins and their use in drug prepn. and gene therapy was described. The fusion protein can be used to treat anemia

assocd. with a no. of diseases. The fusion protein EPOa-hSA could be

constructed in the format of: R1-L-R2, or R2-L-R1, or R1-L-R2-L-R1 wherein

R1 is an EPOa amino acid sequence (without glycosylation site), L is a peptide linker ((SGGG)3SP) and R2 is an hSA amino acid sequence.

The test expression vector was made of cDNA for human urinary glycosylation-free

erythropoietin (by altering glycosylation sites N24.fwdarw.Q, N38.fwdarw.Q, N83.fwdarw.Q, S126.fwdarw.A), a DNA for linker peptide

(SG4)4 and cDNA for hSA. By expressing it in COS7 cells, the fusion

protein was secreted with the expected size shown by Western blot anal.

EPOa-linker-hSA was expressed at about 4-fold higher level than hSA-linker-EPOa (232ng/mL vs. 59ng/mL, resp.) shown by ELISA using

.alpha.-hSA antibody. EPOa-hSA chimeric gene was specifically expressed

in lactating mammary gland using goat .beta.-casein gene promoter in the transgenic mice. The hematocrit levels for the bioactivity of EPO in these transgenic mice and their virgin offspring were significantly increased compared to those in normal mice.

Methods of generating the transgenic goats to produce EPOa-hSA fusion protein in milk was provided. The chimeric EPOa-hSA gene is potentially useful for drug prepn. and gene therapy.

=> dup rem l40

PROCESSING COMPLETED FOR L40

L76 10 DUP REM L40 (5 DUPLICATES REMOVED)

=> d ti so 1-10

L76 ANSWER 1 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1

TI Expression of a heterologous protein C in mammary tissue of transgenic animals using a long whey acidic protein promoter.  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(July 17, 2001) Vol. 1248, No. 3, pp. No Pagination. e-file.  
ISSN: 0098-1133.

L76 ANSWER 2 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

2

TI Establishment of La-tPA/G-CSF dual transgenic mice and expression in their mammary gland.  
SO Science in China Series C Life Sciences, (June, 1999) Vol. 42, No. 3, pp. 330-336.  
ISSN: 1006-9305.

L76 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI In vivo and in vitro expression of human serum albumin genomic sequences

in mammary epithelial cells with .beta.-lactoglobulin and whey acidic protein promoters  
SO Molecular Reproduction and Development (1999), 52(3), 241-252  
CODEN: MREDEE; ISSN: 1040-452X

L76 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI Correction of RNA aberrant splice increases foreign gene expression in transgenic mice

SO Chinese Science Bulletin (1999), 44(3), 221-225  
CODEN: CSBUEF; ISSN: 1001-6538

L76 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI Detection of human protein C gene interaction in transgenic rabbits by

polymerase chain reaction

SO Veterinarni Medicina (Prague) (1999), 44(3), 79-82  
CODEN: VTMDAR; ISSN: 0375-8427

L76 ANSWER 6 OF 10 MEDLINE DUPLICATE 3

TI Growth hormone-releasing hormone (GHRH)-GH-somatic growth and luteinizing

hormone (LH)RH-LH-ovarian axes in adult female transgenic mice expressing human GH gene.

SO JOURNAL OF NEUROENDOCRINOLOGY, (1997 Aug) 9 (8) 615-26.

Journal code: 8913461. ISSN: 0953-8194.

L76 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS  
 TI The effect of matrix attached regions (MAR) and specialized chromatin structure (SCS) on the expression of gene constructs in cultured cells and in transgenic mice  
 SO Mol. Biol. Rep. (1996), Volume Date 1995-1996, 22(1), 37-46  
 CODEN: MLBRBU; ISSN: 0301-4851

L76 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS  
 TI Production of growth hormone in transgenic animal milk  
 SO PCT Int. Appl., 13 pp.  
 CODEN: PIXXD2

L76 ANSWER 9 OF 10 MEDLINE DUPLICATE 4  
 TI Transgenic production of a variant of human tissue-type plasminogen activator in goat milk: generation of transgenic goats and analysis of expression.  
 SO BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.  
 Journal code: 8309273. ISSN: 0733-222X.

L76 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS  
 TI Production of human tissue plasminogen activator in transgenic mouse milk  
 SO Bio/Technology (1987), 5(11), 1183-5, 1187  
 CODEN: BTCHDA; ISSN: 0733-222X

=> d ibib ab 10,8

L76 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1989:528172 CAPLUS  
 DOCUMENT NUMBER: 111:128172  
 TITLE: Production of human tissue plasminogen activator in transgenic mouse milk  
 AUTHOR(S): Gordon, Katherine; Lee, Eric; Vitale, James A.; Smith, Alan E.; Westphal, Heiner; Hennighausen, Lothar  
 CORPORATE SOURCE: Integr. Genet., Framingham, MA, 01701, USA  
 SOURCE: Bio/Technology (1987), 5(11), 1183-5, 1187  
 CODEN: BTCHDA; ISSN: 0733-222X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB An effort was made to express an exogenous gene in the mammary epithelium of transgenic mice in the hope that the encoded protein would be secreted into milk. The promoter and upstream regulatory sequences from the murine whey acid protein (WAP) gene were fused to cDNA encoding human tissue plasminogen activator (t-PA) with its endogenous secretion signal sequence. This hybrid gene was injected into mouse embryos, resultant transgenic mice were mated, and milk obtained from lactating females was shown to contain biol. active t-PA. This result establishes the feasibility of secretion into the milk of transgenic animals for prodn. of biol. active heterologous proteins, and may provide a powerful method to produce such proteins on a large scale.

L76 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1991:402508 CAPLUS  
 DOCUMENT NUMBER: 115:2508  
 TITLE: Production of growth hormone in transgenic animal milk  
 INVENTOR(S): Reddy, Vermuri B.; Wei, Cha Mer; Garramone, Anthony J.  
 PATENT ASSIGNEE(S): TSI-Mason Research Institute, USA  
 SOURCE: PCT Int. Appl., 13 pp.

CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9103551	A1	19910321	WO 1990-US5130	19900911
W: CA, JP				
RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
CA 2065866	AA	19910312	CA 1990-2065866	19900911
JP 04506751	T2	19921126	JP 1990-513054	19900911
JP 06339331	A2	19941213	JP 1994-169	19940105

PRIORITY APPLN. INFO.: US 1989-405452 19890911  
 WO 1990-US5130 19900911

AB Growth hormone is produced by expression of the growth hormone gene from a mammary tissue-specific promoter in the mammary glands of a lactating transgenic female. Transgenic mice having the human growth hormone (hGH) gene linked to the whey acid protein promoter incorporated into its genome were prep'd. by conventional methods. The lactating female mice secreted >50 ng hGH/mL milk.

=> dup rem l41

PROCESSING COMPLETED FOR L41  
 L77 10 DUP REM L41 (11 DUPLICATES REMOVED)

=> d ti so 1-10

L77 ANSWER 1 OF 10 MEDLINE DUPLICATE 1  
 TI Production of low-lactose milk by ectopic expression of intestinal lactase in the mouse mammary gland.  
 SO NATURE BIOTECHNOLOGY, (1999 Feb) 17 (2) 160-4.  
 Journal code: 9604648. ISSN: 1087-0156.

L77 ANSWER 2 OF 10 MEDLINE DUPLICATE 2  
 TI Introduction of a proximal Stat5 site in the murine alpha-lactalbumin promoter induces prolactin dependency in vitro and improves expression frequency in vivo.  
 SO TRANSGENIC RESEARCH, (1999 Feb) 8 (1) 23-31.  
 Journal code: 9209120. ISSN: 0962-8819.

L77 ANSWER 3 OF 10 MEDLINE DUPLICATE 3  
 TI Analysis of control elements for position-independent expression of human alpha-lactalbumin YAC.  
 SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Sep) 54 (1) 17-23.  
 Journal code: 8903333. ISSN: 1040-452X.

L77 ANSWER 4 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 TI Production of transgenic pigs and mice containing the gene encoding human insulin-like growth factor I (IGF-I) under control of the bovine alpha-lactalbumin promoter and regulatory regions.  
 SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213. Meeting Info.: Joint Meeting of the American Dairy Science Association and the American Society of Animal Science Denver, Colorado, USA July 28-31, 1998 Amercian Society of Animal Science . ISSN: 0022-0302.

L77 ANSWER 5 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 TI The role of vitamin A in differentiation and skin carcinogenesis.  
 SO Journal of Nutritional Biochemistry, (1997) Vol. 8, No. 8, pp. 426-437.

ISSN: 0955-2863.

L77 ANSWER 6 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

4

TI Genetic modification of bovine beta-casein and its expression in the milk of transgenic mice.

SO Journal of Agricultural and Food Chemistry, (1996) Vol. 44, No. 3, pp. 953-960.

ISSN: 0021-8561.

L77 ANSWER 7 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Introduction of a proximal STAT5 binding site into the murine alpha-lactalbumin promoter eliminates constitutive activity and leads to prolactin dependency in CHO and HC11 cells.

SO Animal Genetics, (1996) Vol. 27, No. SUPPL. 2, pp. 99. Meeting Info.: 25th International Conference on Animal Genetics

Tours,

France July 21-25, 1996

ISSN: 0268-9146.

L77 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS

TI The bovine .alpha.-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice [Erratum to document cited in CA115(7):66096k]

SO FEBS Lett. (1991), 288(1-2), 247  
CODEN: FEBLAL; ISSN: 0014-5793

L77 ANSWER 9 OF 10 MEDLINE DUPLICATE 5

TI The bovine alpha-lactalbumin promoter directs expression of ovine trophoblast interferon in the mammary gland of transgenic mice.

SO FEBS LETTERS, (1991 Jun 17) 284 (1) 19-22.  
Journal code: 0155157. ISSN: 0014-5793.

L77 ANSWER 10 OF 10 MEDLINE DUPLICATE 6

TI Conserved region of the rat alpha-lactalbumin promoter is a target site for protein binding in vitro.

SO BIOCHEMICAL JOURNAL, (1988 Dec 1) 256 (2) 391-6.  
Journal code: 2984726R. ISSN: 0264-6021.

=> dup rem l42

PROCESSING COMPLETED FOR L42

L78 44 DUP REM L42 (33 DUPLICATES REMOVED)

=> d ti so 1-44

L78 ANSWER 1 OF 44 MEDLINE DUPLICATE 1

TI Tissue-specific induction of SOCS gene expression by PRL.

SO ENDOCRINOLOGY, (2001 Nov) 142 (11) 5015-26.  
Journal code: 0375040. ISSN: 0013-7227.

L78 ANSWER 2 OF 44 MEDLINE DUPLICATE 2

TI Virus-neutralizing monoclonal antibody expressed in milk of transgenic mice provides full protection against virus-induced encephalitis.

SO JOURNAL OF VIROLOGY, (2001 Mar) 75 (6) 2803-9.  
Journal code: 0113724. ISSN: 0022-538X.

L78 ANSWER 3 OF 44 CAPLUS COPYRIGHT 2002 ACS

TI Expression mammary gland-specific of the goat .beta.-lactoglobulin gene comprising a 410 bp-long promoter in transgenic mice

SO Transgenics (2001), 3(2-4), 175-182  
CODEN: TADTEF; ISSN: 1023-6171

L78 ANSWER 4 OF 44 CAPLUS COPYRIGHT 2002 ACS

TI Interference with viral infection by transgenesis or tissue specific expression

SO Molecular Farming, Proceedings of the OECD Workshop, La

Grande Motte,

France, Sept. 3-6, 2000 (2001), Meeting Date 2000, 39-51. Editor(s): Toutant, Jean-Pierre; Balazs, Ervin. Publisher: Institut National de la Recherche Agronomique, Paris, Fr.

CODEN: 69BFLY; ISSN: 1159-554X

L78 ANSWER 5 OF 44 MEDLINE DUPLICATE 3

TI Transforming growth factor beta3 induces cell death during the first stage of mammary gland involution.

SO DEVELOPMENT, (2000 Jul) 127 (14) 3107-18.  
Journal code: 8701744. ISSN: 0950-1991.

L78 ANSWER 6 OF 44 MEDLINE DUPLICATE 4

TI Mammary gland specific hEGF receptor transgene expression induces neoplasia and inhibits differentiation.

SO ONCOGENE, (2000 Apr 20) 19 (17) 2129-37.  
Journal code: 8711562. ISSN: 0950-9232.

L78 ANSWER 7 OF 44 MEDLINE DUPLICATE 5

TI Breast cancer-specific expression of the Candida albicans cytosine deaminase gene using a transcriptional targeting approach.

SO CANCER GENE THERAPY, (2000 Jun) 7 (6) 845-52.  
Journal code: 9432230. ISSN: 0929-1903.

L78 ANSWER 8 OF 44 CAPLUS COPYRIGHT 2002 ACS

TI Multiple copies of .beta.-lactoglobulin promoter do not function as LCR

SO Biochemical and Biophysical Research Communications (2000), 272(1), 284-289  
CODEN: BBRCA9; ISSN: 0006-291X

L78 ANSWER 9 OF 44 MEDLINE DUPLICATE 6

TI Expression of a functional mouse-human chimeric anti-CD19 antibody in the milk of transgenic mice.

SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.  
Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 10 OF 44 MEDLINE

TI Insulin-like growth factor binding proteins: IGF-dependent and -independent effects in the mammary gland.

SO JOURNAL OF MAMMARY GLAND BIOLOGY AND NEOPLASIA, (2000 Jan) 5 (1) 65-73.  
Ref: 62  
Journal code: 9601804. ISSN: 1083-3021.

L78 ANSWER 11 OF 44 MEDLINE

TI Insulin-like growth factor binding protein-5 (IGFBP-5) potentially regulates programmed cell death and plasminogen activation in the mammary gland.

SO ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY, (2000) 480 45-53. Ref: 34  
Journal code: 0121103. ISSN: 0065-2598.

L78 ANSWER 12 OF 44 MEDLINE DUPLICATE 7

TI Use of doxycycline-controlled gene expression to reversibly alter milk-protein composition in transgenic mice.

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260 (2) 533-9.  
Journal code: 0107600. ISSN: 0014-2956.

L78 ANSWER 13 OF 44 MEDLINE DUPLICATE 8

TI In vivo and in vitro expression of human serum albumin genomic sequences in mammary epithelial cells with beta-lactoglobulin and whey acidic protein promoters.

SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Mar) 52 (3) 241-52.  
Journal code: 8903333. ISSN: 1040-452X.

L78 ANSWER 14 OF 44 MEDLINE DUPLICATE 9  
TI Variable immune response against a developmentally regulated self-antigen.  
SO JOURNAL OF AUTOIMMUNITY, (1999 Feb) 12 (1) 27-34.  
Journal code: 8812164. ISSN: 0896-8411.

L78 ANSWER 15 OF 44 MEDLINE DUPLICATE 10  
TI Gene expression in the mammary glands of transgenic animals.  
SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 133-40. Ref: 29  
Journal code: 7506896. ISSN: 0067-8694.

L78 ANSWER 16 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Target-specific protein production in transgenic mammals  
SO Eur. Pat. Appl., 16 pp.  
CODEN: EPXXDW

L78 ANSWER 17 OF 44 MEDLINE DUPLICATE 11  
TI Targeted expression of MDM2 uncouples S phase from mitosis and inhibits  
mammary gland development independent of p53.  
SO GENES AND DEVELOPMENT, (1997 Mar 15) 11 (6) 714-25.  
Journal code: 8711660. ISSN: 0890-9369.

L78 ANSWER 18 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Production of human serum albumin in the milk of transgenic animals  
SO Proceedings of International Conference on Animal Biotechnology, Beijing, June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning; Chen, Yongfu.  
Publisher: International Academic Publishers, Beijing, Peop. Rep. China.  
CODEN: 68CNAB

L78 ANSWER 19 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI mRNA expression of human blood coagulation factor VIII (FVIII) gene  
constructs in transgenic mice  
SO Transgenics (1997), 2(2), 175-182  
CODEN: TADTEF; ISSN: 1023-6171

L78 ANSWER 20 OF 44 MEDLINE DUPLICATE 12  
TI Selective cell ablation in transgenic mice expression E. coli nitroreductase.  
SO GENE THERAPY, (1997 Feb) 4 (2) 101-10.  
Journal code: 9421525. ISSN: 0969-7128.

L78 ANSWER 21 OF 44 MEDLINE DUPLICATE 13  
TI Transgene rescue in the mammary gland is associated with transcription but  
does not require translation of BLG transgenes.  
SO TRANSGENIC RESEARCH, (1997 Jan) 6 (1) 11-7.  
Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 22 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Viral and plasmid vectors encoding mouse mammary tumor virus Naf repressor  
or Sag antigen for control of viral infections or lymphocyte gene therapy  
SO PCT Int. Appl., 44 pp.  
CODEN: PIXXD2

L78 ANSWER 23 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic nonhuman animals expressing nitroreductase which converts  
prodrug to cytotoxic drug  
SO PCT Int. Appl., 46 pp.  
CODEN: PIXXD2

L78 ANSWER 24 OF 44 MEDLINE DUPLICATE 14  
TI High-level expression of recombinant human fibrinogen in the milk of  
transgenic mice.

SO NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7) 867-71.  
Journal code: 9604648. ISSN: 1087-0156.

L78 ANSWER 25 OF 44 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Expression of human blood clotting factor VIII (FVIII) constructs in the  
mammary gland of transgenic mice and sheep.  
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp.  
437-444.  
ISSN: 0931-2668.

L78 ANSWER 26 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI The glycosylation of human recombinant alpha-1-antitrypsin expressed in  
transgenic mice  
SO Biochem. Soc. Trans. (1996), 24(3), 339S  
CODEN: BCSTB5; ISSN: 0300-5127

L78 ANSWER 27 OF 44 MEDLINE DUPLICATE 15  
TI Hormonal influences on beta-lactoglobulin transgene expression inferred  
from chromatin structure.  
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 Jul 5) 224 (1) 121-5.  
Journal code: 0372516. ISSN: 0006-291X.

L78 ANSWER 28 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for  
dietary supplementation in hyperphenylalaninemia  
SO PCT Int. Appl., 77 pp.  
CODEN: PIXXD2

L78 ANSWER 29 OF 44 MEDLINE DUPLICATE 16  
TI Stat5 as a target for regulation by extracellular matrix.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 15) 270 (37) 21639-44.  
Journal code: 2985121R. ISSN: 0021-9258.

L78 ANSWER 30 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Human erythropoietin-induced polycythemia in transgenic mice  
SO Mol. Cells (1995), 5(6), 634-40  
CODEN: MOCEEK; ISSN: 1016-8478

L78 ANSWER 31 OF 44 MEDLINE DUPLICATE 17  
TI Dramatic heterogeneity of transgene expression in the mammary gland of  
lactating mice: a model system to study the synthetic activity of  
mammary epithelial cells.  
SO JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (1995 May) 43 (5) 461-70.  
Journal code: 9815334. ISSN: 0022-1554.

L78 ANSWER 32 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Efficient expression of human .alpha.1-antitrypsin by the caprine  
.beta.-lactoglobulin promoter in the mouse mammary cell, HC11  
SO Mol. Cells (1995), 5(3), 275-81  
CODEN: MOCEEK; ISSN: 1016-8478

L78 ANSWER 33 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Heterogeneous expression and synthesis of human serum albumin in  
the  
mammary gland of transgenic mice  
SO Intercell. Signalling Mammary Gland, [Proc. Hannah Symp.] (1995), Meeting  
Date 1994, 171-2. Editor(s): Wilde, Colin J.; Peaker, Malcolm; Knight,  
Christopher H. Publisher: Plenum, New York, N. Y.

CODEN: 61ZIAS

L78 ANSWER 34 OF 44 MEDLINE DUPLICATE 18  
TI Epithelial proliferation and differentiation in the mammary gland do not correlate with cFABP gene expression during early pregnancy.  
SO DEVELOPMENTAL GENETICS, (1995) 17 (2) 167-75.  
Journal code: 7909963. ISSN: 0192-253X.

L78 ANSWER 35 OF 44 MEDLINE DUPLICATE 19  
TI The proximal milk protein binding factor binding site is required for the prolactin responsiveness of the sheep beta-lactoglobulin promoter in Chinese hamster ovary cells.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Jan) 107 (1) 113-21.  
Journal code: 7500844. ISSN: 0303-7207.

L78 ANSWER 36 OF 44 MEDLINE DUPLICATE 20  
TI Expression of genomic and cDNA transgenes after co-integration in transgenic mice.  
SO TRANSGENIC RESEARCH, (1995 Jan) 4 (1) 39-43.  
Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 37 OF 44 MEDLINE DUPLICATE 21  
TI Tissue-specific, temporally regulated expression mediated by the proximal ovine beta-lactoglobulin promoter in transgenic mice.  
SO CELLULAR AND MOLECULAR BIOLOGY RESEARCH, (1995) 41 (1) 11-5.  
Journal code: 9316986. ISSN: 0968-8773.

L78 ANSWER 38 OF 44 MEDLINE DUPLICATE 22  
TI Specific combinations of human serum albumin introns direct high level expression of albumin in transfected COS cells and in the milk of transgenic mice.  
SO TRANSGENIC RESEARCH, (1994 Nov) 3 (6) 365-75.  
Journal code: 9209120. ISSN: 0962-8819.

L78 ANSWER 39 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Ectopic expression of .beta.-lactoglobulin/human serum albumin fusion genes in transgenic mice: hormonal regulation and in situ localization  
SO Transgenic Res. (1994), 3(3), 141-51  
CODEN: TRSEES; ISSN: 0962-8819

L78 ANSWER 40 OF 44 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 23  
TI HSA production by mammary explants of virgin transgenic mice: A reliable tool for predicting levels of secretion into milk.  
SO Animal Biotechnology, (1993) Vol. 4, No. 2, pp. 203-215.  
ISSN: 1049-5398.

L78 ANSWER 41 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Expression of human serum albumin in the milk of transgenic mice  
SO Transgenic Res. (1992), 1(5), 195-208  
CODEN: TRSEES

L78 ANSWER 42 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Position-independent expression of the ovine .beta.-lactoglobulin gene in transgenic mice  
SO Biochem. J. (1992), 286(1), 31-9  
CODEN: BIJOAK; ISSN: 0306-3275

L78 ANSWER 43 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Interaction of DNA-binding proteins with a milk protein gene promoter in vitro: identification of a mammary gland-specific factor  
SO Nucleic Acids Res. (1991), 19(23), 6603-10

CODEN: NARHAD; ISSN: 0305-1048

L78 ANSWER 44 OF 44 CAPLUS COPYRIGHT 2002 ACS  
TI Manufacture of protein with transgenic mammals  
SO PCT Int. Appl., 101 pp.  
CODEN: PIXXD2

=> d ibib ab 44,25,24,16

L78 ANSWER 44 OF 44 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1990:586092 CAPLUS  
DOCUMENT NUMBER: 113:186092  
TITLE: Manufacture of protein with transgenic mammals  
INVENTOR(S): Archibald, Alan Langskill; Clark, Anthony John; Harris, Stephen; McClenaghan, Margaret; Simons, John Paul; Whitelaw, Christopher Bruce Ale  
PATENT ASSIGNEE(S): Pharmaceutical Proteins Ltd., UK  
SOURCE: PCT Int. Appl., 101 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9005188	A1	19900517	WO 1989-GB1343	19891113
	W:	AU, DK, FI, HU, JP, KR, NO, SU, US		
	RW:	AT, BE, CH, DE, FR, GB, IT, LU, NL, SE		
AU 8944943	A1	19900528	AU 1989-44943	19891113
AU 628101	B2	19920910		
EP 396699	A1	19901114	EP 1989-912273	19891113
EP 396699	B1	19971001		
	R:	AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE		
JP 03505674	T2	19911212	JP 1989-511400	19891113
JP 3141999	B2	20010307		
AT 158817	E	19971015	AT 1989-912273	19891113
US 5861299	A	19990119	US 1994-343884	19941117
US 5650503	A	19970722	US 1994-359854	19941220
PRIORITY APPLN. INFO.:			GB 1988-26446	A 19881111
			WO 1989-GB1343	A 19891113
			US 1990-536672	B3 19900911
			US 1992-925737	B1 19920807
			US 1992-926192	B1 19920807

AB A genetic construct that uses the 5' flanking sequence from a mammalian milk-protein gene to express a heterologous gene contg. >1, but not all customary introns is used to prep. transgenic mammals. The transgenic mammals may be used to produce the heterologous protein that, being expressed from a milk-protein gene, are secreted into milk for easier recovery of the protein. A cassette contg. the genomic sequences for human liver .alpha.1-antitrypsin minus intron 1 fused to the promoter of the ovine .beta.-lactoglobulin gene was prep. This construct was used to prep. transgenic mice by std. methods. Transgenic offspring were identified by Northern blotting, and .alpha.1-antitrypsin was found by immunoblotting of milk from transgenic females. Transgenic sheep contg. a human blood clotting factor IX gene were also prep.

L78 ANSWER 25 OF 44 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
ACCESSION NUMBER: 1996:575355 BIOSIS  
DOCUMENT NUMBER: PREV199799290036  
TITLE: Expression of human blood clotting factor VIII (FVIII) constructs in the mammary gland of transgenic mice and sheep.  
AUTHOR(S): Niemann, H. (1); Halter, R.; Espanion, G.;

Wrenzycki, C.;  
Herrmann, D.; Lemme, E.; Carnwath, J. W.; Paul, D.  
CORPORATE SOURCE: (1) Inst. Tierzucht Tierverhalten Mariensee,  
D-31535

Neustadt Germany  
SOURCE: Journal of Animal Breeding and Genetics, (1996)  
Vol. 113,  
No. 4-5, pp. 437-444.  
ISSN: 0931-2668.

DOCUMENT TYPE: Article  
LANGUAGE: English

SUMMARY LANGUAGE: English; German

AB The aim of this study is to produce transgenic mice and sheep which express large amounts of human anti-hemophilic factor VIII (FVIII) in the mammary gland. To overcome the potentially low expression of

cDNA-constructs we have added heterologous introns from the murine metallothionein (MT-I) gene, resulting in gene constructs of 13 200 and 14 400 bp, respectively. Via microinjection of zygotes recovered from superovulated donors, we have produced 25 lines of transgenic mice with four different constructs of which two are under the control of the

beta-lactoglobulin (beta-Lac) promoter and two under the control of the Whey acidic protein (WAP) promoter. One of the beta-Lac- or WAP-hFVIII constructs possessed the MT-I fragment containing

both introns in the 3'-untranslated region of the FVIII cDNA, respectively. Expression of FVIII cDNA was determined in mammary tissue of

the transgenic mouse =by reverse transcriptase PCR (RT-PCR). Of these 25 transgenic lines 13 (52%) expressed the integrated gene construct

(WAP hFVIII 7/4, WAP hFVIII MT-I 11/5, beta-Lac hFVIII 2/1, beta-Lac hFVIII MT-I 5/3). By restriction enzyme analysis of the PCR products and

Southern Blot analysis with FVIII probes we confirmed specificity of the expression of the transgene. Following microinjection of beta-Lac hFVIII

or beta-Lac hFVIII MT-I constructs we have generated 8 transgenic founder sheep. One beta-Lac hFVIII MT-I sheep expressed FVIII in the lactating mammary gland as detected by RT-PCR from biopsied mammary gland tissue.

Two male founder animals transmitted the transgene in a Mendelian fashion to their offspring. To achieve site independent expression, new gene constructs employing matrix-attachment region elements (MAR) (MAR-beta-Lac-hFVIII MT-I) were recently microinjected into pronuclei and

two-female and two male founder lambs were obtained. The total efficiency of microinjection into pronuclei of ovine zygotes has been 2.9% transgenic

lambs (12/413). Analysis of mouse and sheep milk using two different clotting assays and a sandwich ELISA did not reliably indicate

the presence of active FVIII in milk. Currently, identification of FVIII

in the milk of transgenic founder and F-1 females with the aid of a sensitive antibody is under investigation.

L78 ANSWER 24 OF 44 MEDLINE DUPLICATE 14  
ACCESSION NUMBER: 1998294468 MEDLINE  
DOCUMENT NUMBER: 98294468 PubMed ID: 9631012  
TITLE: High-level expression of recombinant human fibrinogen in

the milk of transgenic mice.

AUTHOR: Prunkard D; Cottingham I; Garner I; Bruce S;

Dalrymple M;

Lasser G; Bishop P; Foster D  
CORPORATE SOURCE: ZymoGenetics, Inc., Seattle, WA 98102,  
USA.

prunkard@zgi.com  
SOURCE: NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7)  
867-71.

Journal code: 9604648. ISSN: 1087-0156.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 199807  
ENTRY DATE: Entered STN: 19980716  
Last Updated on STN: 19980716  
Entered Medline: 19980707  
AB Fibrinogen is a complex plasma protein composed of two each of three different polypeptide chains. We have targeted expression of r-human fibrinogen to the mammary gland of transgenic mice. Three expression cassettes, each containing the genomic sequence for one of the three human fibrinogen chains controlled by sheep whey protein beta-lactoglobulin promoter sequences, were coinjected into fertile mouse eggs. Southern blot analysis demonstrated that more than 80% of the transgenic founders contained all three fibrinogen genes. Reducing sodium dodecyl sulfate polyacrylamide gel electrophoresis of milk from the highest producing founder animal demonstrated the presence of human fibrinogen subunits at concentrations of 2000 micrograms/ml. In several animals with a balanced ratio of the individual fibrinogen subunits, up to 100% of the protein was incorporated into fully assembled fibrinogen hexamers. Incubation of the transgenic milk with thrombin and factor XIII resulted in a cross-linked fibrin clot, indicating that a major portion of the secreted fibrinogen was functional.

These studies represent the first report of high-level biosynthesis and secretion of a functional, complex, hexameric protein in the milk of a transgenic animal.

L78 ANSWER 16 OF 44 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:347207 CAPLUS

DOCUMENT NUMBER: 126:313175

TITLE: Target-specific protein production in transgenic mammals

INVENTOR(S): Barash, Itamar, Shani, Moshe; Nathan, Margaret; Hurwitz, David R.

PATENT ASSIGNEE(S): State of Israel-Ministry of Agriculture, Israel

SOURCE: Eur. Pat. Appl., 16 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO. DATE
EP 771874	A2 19970507	EP 1996-117613 19961104
EP 771874	A3 19970827	
EP 771874	B1 19980930	R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE
AT 171724	E 19981015	AT 1996-117613 19961104
PRIORITY APPLN. INFO.:	IL 1995-115873	19951103
AB	Disclosed is a hybrid cDNA encoding a .beta.-lactoglobulin (.beta.LG) and	

human serum albumin (HSA) for efficient targeting expression in mammary glands in transgenic mammals. The .beta.LG construct is comprised of .beta.LG 5'-flanking sequences (e.g. promoter) and .beta.LG intragenic sequences in conjunction with a desired cDNA such as of HSA, or a minigene (coding sequences and less than all intron sequences) or a gene (coding sequences and all intron sequences) assembled for the purpose of targeting expression of the product of the encoding "DNA". Also disclosed is a transgenic mammal having .beta.LG/HSA cDNA hybrid construct incorporated in its genome. A transgenic lactating mouse prep'd. by this method was able to produce .gtoreq. 0.3 HSA mg/mL milk.

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON 18 JUL 2002

L1 0 S CASEIN ADJ PROMOTER  
 L2 480 S CASEIN(2A)PROMOTER  
 L3 17 S WHEY ACID(2A)PROMOTER  
 L4 31 S ?LACTALBUMIN(2A)PROMOTER  
 L5 0 S ?LACTOALBUMIN(2A)PROMOTER  
 E LACTOALBUMIN  
 L6 178 S LACTOGLOBULIN(2A)PROMOTER  
 L7 678508 S PIG OR PORCINE  
 L8 762760 S CATTLE OR COW OR BOVINE  
 L9 135902 S HORSE OR EQUINE  
 L10 71287 S GOAT  
 L11 6428 S CAMEL  
 L12 282040 S SHEEP OR OVINE  
 L13 5324583 S RODENT OR MOUSE OR RAT OR MURINE  
 L14 6 S L7(S)L2  
 L15 0 S L7(S)L3  
 L16 2 S L7(S)L4  
 L17 1 S L7(S)L6  
 L18 92 S L8(S)L2  
 L19 1 S L8(S)L3  
 L20 16 S L8(S)L4  
 L21 24 S L8(S)L6  
 L22 0 S L9(S)L2  
 L23 0 S L9(S)L3  
 L24 0 S L9(S)L4  
 L25 0 S L9(S)L6  
 L26 17 S L10(S)L2  
 L27 2 S L10(S)L3  
 L28 0 S L10(S)L4  
 L29 14 S L10(S)L6  
 L30 0 S L11(S)L2  
 L31 0 S L11(S)L3  
 L32 0 S L11(S)L4  
 L33 0 S L11(S)L6  
 L34 13 S L12(S)L2  
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 L36 2 S L12(S)L3  
 L37 4 S L12(S)L4  
 L38 74 S L12(S)L6  
 L39 200 S L13(S)L2  
 L40 15 S L13(S)L3  
 L41 21 S L13(S)L4  
 L42 77 S L13(S)L6  
 L43 119 S HUMAN(S)L2  
 L44 14 S HUMAN(S)L3  
 L45 7 S HUMAN(S)L4

L46 53 S HUMAN(S)L6  
 L47 1913 S CASEIN(2A)GENE  
 L48 27 S WHEY ACID(2A)GENE  
 L49 275 S LACTALBUMIN(2A)GENE  
 L50 444 S LACTOGLOBULIN(2A)GENE  
 L51 1 S L7(S)L48  
 L52 0 S L9(S)L47  
 L53 0 S L9(S)L48  
 L54 0 S L9(S)L49  
 L55 6 S L9(S)L50  
 L56 18 S L10(S)L49  
 L57 2 S L11(S)L47  
 L58 0 S L11(S)L48  
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 L60 0 S L11(S)L50  
 L61 3 DUP REM L14 (3 DUPLICATES REMOVED)  
 L62 2 DUP REM L16 (0 DUPLICATES REMOVED)  
 L63 11 DUP REM L21 (13 DUPLICATES REMOVED)  
 L64 53 DUP REM L18 (39 DUPLICATES REMOVED)  
 L65 1 DUP REM L19 (0 DUPLICATES REMOVED)  
 L66 11 DUP REM L20 (5 DUPLICATES REMOVED)  
 L67 11 DUP REM L21 (13 DUPLICATES REMOVED)  
 L68 14 DUP REM L26 (3 DUPLICATES REMOVED)  
 L69 1 DUP REM L27 (1 DUPLICATE REMOVED)  
 L70 10 DUP REM L29 (4 DUPLICATES REMOVED)  
 L71 7 DUP REM L35 (6 DUPLICATES REMOVED)  
 L72 1 DUP REM L36 (1 DUPLICATE REMOVED)  
 L73 2 DUP REM L37 (2 DUPLICATES REMOVED)  
 L74 40 DUP REM L38 (34 DUPLICATES REMOVED)  
 L75 102 DUP REM L39 (98 DUPLICATES REMOVED)  
 L76 10 DUP REM L40 (5 DUPLICATES REMOVED)  
 L77 10 DUP REM L41 (11 DUPLICATES REMOVED)  
 L78 44 DUP REM L42 (33 DUPLICATES REMOVED)

=> dup rem l43

PROCESSING COMPLETED FOR L43

L79 69 DUP REM L43 (50 DUPLICATES REMOVED)

=> d ti so 1-69

L79 ANSWER 1 OF 69 MEDLINE DUPLICATE 1  
 TI Expression and transactivating functions of the bZIP transcription factor

GADD153 in mammary epithelial cells.

SO ONCOGENE, (2002 Jun 20) 21 (27) 4289-300.

Journal code: 8711562. ISSN: 0950-9232.

L79 ANSWER 2 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 TI High expression of human FIX(hFIX) in transgenic mice directed by goat .beta.-casein gene promoter  
 SO Yichuan Xuebao (2002), 29(3), 206-211  
 CODEN: ICHPCG; ISSN: 0379-4172

L79 ANSWER 3 OF 69 MEDLINE DUPLICATE 2  
 TI Comparative analysis on the structural features of the 5' flanking region of kappa-casein genes from six different species.  
 SO Genet Sel Evol, (2002 Jan-Feb) 34 (1) 117-28.  
 Journal code: 9114088. ISSN: 0999-193X.

L79 ANSWER 4 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 TI C1 inhibitor produced in the milk of transgenic mammals  
 SO PCT Int. Appl., 47 pp.  
 CODEN: PIXXD2

L79 ANSWER 5 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 TI Immune tolerant transgenic rats secreting human growth hormone into milk  
 SO Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF

L79 ANSWER 6 OF 69 MEDLINE DUPLICATE 3  
 TI Isolation and characterization of two novel forms of the human prolactin

receptor generated by alternative splicing of a newly identified exon 11.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Nov 2) 276 (44) 41086-94.  
Journal code: 2985117R. ISSN: 0021-9258.

L79 ANSWER 7 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI High expression of human serum albumin in milk of transgenic mice directed by the goat .beta.-casein gene promoter region  
SO Chinese Science Bulletin (2001), 46(7), 582-586  
CODEN: CSBUEF; ISSN: 1001-6538

L79 ANSWER 8 OF 69 MEDLINE DUPLICATE 4  
TI The milk protein promoter is a useful tool for developing a rat with tolerance to a human protein.  
SO TRANSGENIC RESEARCH, (2001 Dec) 10 (6) 571-5.  
Journal code: 9209120. ISSN: 0962-8819.

L79 ANSWER 9 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Tissue specific expression of human serum albumin gene using goat .beta.-casein gene promoter in mouse tissue  
SO Yichuan (2001), 23(6), 518-520  
CODEN: ICHUDW; ISSN: 0253-9772

L79 ANSWER 10 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Recombinant expression of human tissue plasminogen activator in transgenic mice milk regulated by bovine .alpha.-s1-casein gene promoter and Poly(A) signal  
SO Yichuan Xuebao (2001), 28(5), 405-410  
CODEN: ICHPCG; ISSN: 0379-4172

L79 ANSWER 11 OF 69 MEDLINE DUPLICATE 5  
TI Production of transgenic rats using young Sprague-Dawley females treated with PMSG and hCG.  
SO EXPERIMENTAL ANIMALS, (2001 Oct) 50 (5) 365-9.  
Journal code: 9604830. ISSN: 1341-1357.

L79 ANSWER 12 OF 69 MEDLINE DUPLICATE 6  
TI Effects of cryopreservation of pronuclear-stage rabbit zygotes on the morphological survival, blastocyst formation, and full-term development after DNA microinjection.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (2001 Oct) 60 (2) 227-32.  
Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 13 OF 69 MEDLINE DUPLICATE 7  
TI A comparative study on the integration of exogenous DNA into mouse, rat, rabbit, and pig genomes.  
SO EXPERIMENTAL ANIMALS, (2001 Apr) 50 (2) 125-31.  
Journal code: 9604830. ISSN: 1341-1357.

L79 ANSWER 14 OF 69 MEDLINE DUPLICATE 8  
TI Cytokine-like effects of prolactin in human mononuclear and polymorphonuclear leukocytes.  
SO JOURNAL OF NEUROIMMUNOLOGY, (2001 Nov 1) 120 (1-2) 58-66.  
Journal code: 8109498. ISSN: 0165-5728.

L79 ANSWER 15 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenically produced human antithrombin III and its mutants having enhanced antiangiogenic activity  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2

L79 ANSWER 16 OF 69 MEDLINE  
TI Functional uncoupling of the Janus kinase 3-Stat5 pathway in malignant growth of human T cell leukemia virus type 1-transformed human T cells.

SO JOURNAL OF IMMUNOLOGY, (2000 Nov 1) 165 (9) 5097-104.  
Journal code: 2985117R. ISSN: 0022-1767.

L79 ANSWER 17 OF 69 MEDLINE DUPLICATE 9  
TI Stat 5B, activated by insulin in a Jak-independent fashion, plays a role in glucokinase gene transcription.  
SO ENDOCRINOLOGY, (2000 Jun) 141 (6) 1977-88.  
Journal code: 0375040. ISSN: 0013-7227.

L79 ANSWER 18 OF 69 MEDLINE DUPLICATE 10  
TI Production of transgenic rabbits using centrifuged pronuclear zygotes.  
SO JOURNAL OF VETERINARY MEDICAL SCIENCE, (2000 Oct) 62 (10) 1047-52.  
Journal code: 9105360. ISSN: 0916-7250.

L79 ANSWER 19 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI A study of transgenic cattle expressing human serum albumin gene  
SO Yichuan Xuebao (2000), 27(7), 573-579  
CODEN: ICHPCG; ISSN: 0379-4172

L79 ANSWER 20 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Human serum albumin (hALB) transient expression in goat milk after direct transfer of hALB expressing vector into mammary gland  
SO Zhongguo Shouyi Xuebao (2000), 20(5), 419-422  
CODEN: ZSXUF5; ISSN: 1005-4545

L79 ANSWER 21 OF 69 MEDLINE DUPLICATE 11  
TI Association of 2',5'-oligoadenylate synthetase with the prolactin (PRL) receptor: alteration in PRL-inducible stat1 (signal transducer and activator of transcription 1) signaling to the IRF-1 (interferon-regulatory factor 1) promoter.  
SO MOLECULAR ENDOCRINOLOGY, (2000 Feb) 14 (2) 295-306.  
Journal code: 8801431. ISSN: 0888-8809.

L79 ANSWER 22 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Genomic human lactoferrin sequence induced high levels of protein expression in milk of transgenic mice  
SO International Congress Series (2000), 1195(Lactoferrin: Structure, Function and Applications), 279-288  
CODEN: EXMDA4; ISSN: 0531-5131

L79 ANSWER 23 OF 69 MEDLINE DUPLICATE 12  
TI Production of biologically active human granulocyte colony stimulating factor in the milk of transgenic goat.  
SO TRANSGENIC RESEARCH, (2000 Jun) 9 (3) 215-22.  
Journal code: 9209120. ISSN: 0962-8819.

L79 ANSWER 24 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Growth of Bifidobacterium bifidum in whey-based media.  
SO Journal of Industrial Microbiology & Biotechnology, (October, 2000) Vol. 25, No. 4, pp. 177-179. print.  
ISSN: 1367-5435.

L79 ANSWER 25 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Expression and characterization of bioactive human thrombopoietin in the milk of transgenic mice  
SO DNA and Cell Biology (1999), 18(11), 845-852  
CODEN: DCEBE8; ISSN: 1044-5498

L79 ANSWER 26 OF 69 MEDLINE DUPLICATE 13  
TI High-level expression of human lactoferrin in milk of transgenic mice using genomic lactoferrin sequence.  
SO JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5.  
Journal code: 0376600. ISSN: 0021-924X.

L79 ANSWER 27 OF 69 MEDLINE DUPLICATE 14  
 TI Analysis of control elements for position-independent expression of human alpha-lactalbumin YAC.  
 SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Sep) 54 (1) 17-23.  
 Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 28 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 15  
 TI Is lactoferrin a transcription factor? Computer-assisted search for potential target genes and analysis of a sequence-specific DNA binding.  
 SO Animal Science Papers and Reports, (1999) Vol. 17, No. 1, pp. 5-21.  
 ISSN: 0860-4037.

L79 ANSWER 29 OF 69 MEDLINE DUPLICATE 16  
 TI Thrombopoietin induces association of Crkl with STAT5 but not STAT3 in human platelets.  
 SO BLOOD, (1998 Dec 15) 92 (12) 4652-62.  
 Journal code: 7603509. ISSN: 0006-4971.

L79 ANSWER 30 OF 69 MEDLINE DUPLICATE 17  
 TI Recombinant human acid alpha-glucosidase: high level production in mouse milk, biochemical characteristics, correction of enzyme deficiency in GSDII KO mice.  
 SO HUMAN MOLECULAR GENETICS, (1998 Oct) 7 (11) 1815-24.  
 Journal code: 9208958. ISSN: 0964-6906.

L79 ANSWER 31 OF 69 MEDLINE DUPLICATE 18  
 TI N-glycosylation of the prolactin receptor is not required for activation of gene transcription but is crucial for its cell surface targeting.  
 SO MOLECULAR ENDOCRINOLOGY, (1998 Apr) 12 (4) 544-55.  
 Journal code: 8801431. ISSN: 0888-8809.

L79 ANSWER 32 OF 69 MEDLINE DUPLICATE 19  
 TI Erythropoietin induces tyrosine phosphorylation of Jak2, STAT5A, and STAT5B in primary cultured human erythroid precursors.  
 SO BLOOD, (1998 Jul 15) 92 (2) 443-51.  
 Journal code: 7603509. ISSN: 0006-4971.

L79 ANSWER 33 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 TI Expression and regulation of hFIX minigene and cDNA driven by beta-casein gene in mouse mammary gland.  
 SO Science in China Series C Life Sciences, (Aug., 1998) Vol. 41, No. 4, pp. 406-412.  
 ISSN: 1006-9305.

L79 ANSWER 34 OF 69 MEDLINE DUPLICATE 20  
 TI Accurate spatial and temporal transgene expression driven by a 3.8-kilobase promoter of the bovine beta-casein gene in the lactating mouse mammary gland.  
 SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1998 Mar) 49 (3) 236-45.  
 Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 35 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 TI A distal enhancer region in the human .beta.-casein gene mediates the response to prolactin and glucocorticoid hormones  
 SO Gene (1998), 217(1-2), 127-139  
 CODEN: GENED6; ISSN: 0378-1119

L79 ANSWER 36 OF 69 MEDLINE  
 TI Composite response elements mediate hormonal and developmental regulation of milk protein gene expression.  
 SO BIOCHEMICAL SOCIETY SYMPOSIA, (1998) 63 101-13. Ref: 53  
 Journal code: 7506896. ISSN: 0067-8694.

L79 ANSWER 37 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 TI Cloning of human genomic lactoferrin sequence and expression in the mammary glands of transgenic animals  
 SO Advances in Experimental Medicine and Biology (1998), 443(Advances in Lactoferrin Research), 79-83  
 CODEN: AEMBAP; ISSN: 0065-2598

L79 ANSWER 38 OF 69 MEDLINE DUPLICATE 21  
 TI A distinct function of STAT proteins in erythropoietin signal transduction.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Jun 27) 272 (26) 16507-13.  
 Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 39 OF 69 MEDLINE DUPLICATE 22  
 TI Two discrete regions of interleukin-2 (IL2) receptor beta independently mediate IL2 activation of a PD98059/rapamycin/wortmannin-insensitive Stat5a/b serine kinase.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1997 Jun 13) 272 (24) 15459-65.  
 Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 40 OF 69 MEDLINE DUPLICATE 23  
 TI Growth hormone-induced tyrosyl phosphorylation and deoxyribonucleic acid binding activity of Stat5A and Stat5B.  
 SO ENDOCRINOLOGY, (1997 Aug) 138 (8) 3426-34.  
 Journal code: 0375040. ISSN: 0013-7227.

L79 ANSWER 41 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 TI Production of complex human pharmaceuticals in the milk of transgenic goats using the goats beta casein promoter  
 SO Transgenic Animals (1997), 465-467. Editor(s): Houdebine, Louis Marie.  
 Publisher: Harwood, Amsterdam, Neth.  
 CODEN: 66IFA3

L79 ANSWER 42 OF 69 MEDLINE DUPLICATE 24  
 TI Upstream genomic sequence of the human connexin26 gene.  
 SO GENE, (1997 Oct 15) 199 (1-2) 165-71.  
 Journal code: 7706761. ISSN: 0378-1119.

L79 ANSWER 43 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 TI Transgenic animals expressing genes for human coagulation factor VIII and von willebrand factor with secretion of the protein into milk  
 SO PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2

L79 ANSWER 44 OF 69 MEDLINE DUPLICATE 25  
 TI Stat6 and Jak1 are common elements in platelet-derived growth factor and interleukin-4 signal transduction pathways in NIH 3T3 fibroblasts.  
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1996 Sep 6) 271 (36) 22175-82.  
 Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 45 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 TI Factors affecting in vivo viability of DNA-injected bovine blastocysts produced in vitro.  
 SO Theriogenology, (1996) Vol. 46, No. 5, pp. 769-778.  
 ISSN: 0093-691X.

L79 ANSWER 46 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Tyrosine phosphorylation of STAT1 and STAT5 and transcriptional activation of beta-casein promoter by human type II vasoactive intestinal peptide receptors.  
SO Molecular Biology of the Cell, (1996) Vol. 7, No. SUPPL., pp. 631A.  
Meeting Info.: Annual Meeting of the 6th International Congress on Cell Biology and the 36th American Society for Cell Biology San Francisco, California, USA December 7-11, 1996  
ISSN: 1059-1524.

L79 ANSWER 47 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI An efficient expression of human growth hormone (hGH) in the milk of transgenic mice using rat .beta.-casein/hGH fusion genes  
SO Appl. Biochem. Biotechnol. (1996), 56(3), 211-22  
CODEN: ABIBDL; ISSN: 0273-2289

L79 ANSWER 48 OF 69 MEDLINE DUPLICATE 26  
TI Transgene expression in mammary glands of newborn rats.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1996 Feb) 43 (2) 145-9.  
Journal code: 8903333. ISSN: 1040-452X.

L79 ANSWER 49 OF 69 MEDLINE DUPLICATE 27  
TI Expression of cDNA-encoded human acid alpha-glucosidase in milk of transgenic mice.  
SO BIOCHIMICA ET BIOPHYSICA ACTA, (1996 Aug 14) 1308 (2) 93-6.  
Journal code: 0217513. ISSN: 0006-3002.

L79 ANSWER 50 OF 69 MEDLINE DUPLICATE 28  
TI Cloning, sequencing and functional analysis of a truncated cDNA encoding red deer prolactin receptor: an alternative tyrosine residue mediates beta-casein promoter activation.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1996 Oct 14) 123 (1) 17-26.  
Journal code: 7500844. ISSN: 0303-7207.

L79 ANSWER 51 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of human fibrinogen subunits in transgenic animals  
SO PCT Int. Appl., 49 pp.  
CODEN: PIXXD2

L79 ANSWER 52 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Production and secretion of human extracellular superoxide dismutase into milk of transgenic mammals  
SO PCT Int. Appl., 102 pp.  
CODEN: PIXXD2

L79 ANSWER 53 OF 69 MEDLINE DUPLICATE 29  
TI Activation of STAT factors by prolactin, interferon-gamma, growth hormones, and a tyrosine phosphatase inhibitor in rabbit primary mammary epithelial cells.  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1995 Sep 8) 270 (36) 20952-61.  
Journal code: 2985121R. ISSN: 0021-9258.

L79 ANSWER 54 OF 69 MEDLINE DUPLICATE 30  
TI Prolactin, growth hormone, erythropoietin and granulocyte-macrophage colony stimulating factor induce MGF-Stat5 DNA binding activity.  
SO EMBO JOURNAL, (1995 May 1) 14 (9) 2005-13.  
Journal code: 8208664. ISSN: 0261-4189.

L79 ANSWER 55 OF 69 MEDLINE DUPLICATE 31  
TI Functional activity of the human prolactin receptor and its ligands.  
SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1995 Oct 30) 114 (1-2) 91-9.  
Journal code: 7500844. ISSN: 0303-7207.

L79 ANSWER 56 OF 69 MEDLINE DUPLICATE 32  
TI Mammary gland factor activated by prolactin on mammary epithelial cells and acute-phase response factor activated by interleukin-6 in liver cells  
share DNA binding and transactivation potential.  
SO MOLECULAR ENDOCRINOLOGY, (1994 Apr) 8 (4) 469-77.  
Journal code: 8801431. ISSN: 0888-8809.

L79 ANSWER 57 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI DNA encoding .kappa.-casein, manufacture of the protein with recombinant cells or transgenic mammals, and milk or infant formula containing the protein  
SO PCT Int. Appl., 124 pp.  
CODEN: PIXXD2

L79 ANSWER 58 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Human casein kinase II. The subunit .alpha. protein activates transcription of the subunit .beta. gene  
SO J. Biol. Chem. (1993), 268(8), 5694-702  
CODEN: JBCHA3; ISSN: 0021-9258

L79 ANSWER 59 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 33  
TI Production of transgenic mice and rabbits that carry and express the human tissue plasminogen activator cDNA under the control of a bovine alpha S1 casein promoter.  
SO Theriogenology, (1993) Vol. 39, No. 5, pp. 1173-1185.  
ISSN: 0093-691X.

L79 ANSWER 60 OF 69 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Development of the transgenic mice secreting human growth hormone in milk.  
SO Korean Journal of Animal Science, (1993) Vol. 35, No. 1, pp. 32-38.  
ISSN: 0367-5807.

L79 ANSWER 61 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Effect of the 3' flanking sequences of rat .beta.-casein and human growth hormone genes on gene expression in mammary epithelial cells  
SO Mol. Cells (1992), 2(3), 315-20  
CODEN: MOCEEK; ISSN: 1016-8478

L79 ANSWER 62 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Production of heterologous polypeptides by recombinant cattle and transgenic methods  
SO PCT Int. Appl., 121 pp.  
CODEN: PIXXD2

L79 ANSWER 63 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Synergistic action of glucocorticoid and insulin in expression of transfected rat .beta.-casein promoter/human growth hormone fusion gene in a mammary epithelial cell line  
SO Mol. Cells (1991), 1(4), 459-64  
CODEN: MOCEEK; ISSN: 1016-8478

L79 ANSWER 64 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Expression vectors for secretion of heterologous proteins into milk  
SO Eur. Pat. Appl., 55 pp.  
CODEN: EPXXDW

L79 ANSWER 65 OF 69 CAPLUS COPYRIGHT 2002 ACS  
TI Expression of heterologous proteins in the milk of transgenic rabbits

## Editor(s):

Christiansen, Claus; Munck, Lars; Villadsen, John. Publisher: Munksgaard,  
Copenhagen, Den.  
CODEN: 57RVAO

L79 ANSWER 66 OF 69 MEDLINE DUPLICATE 34

TI Rabbit beta-casein promoter directs secretion of human interleukin-2 into the milk of transgenic rabbits.

SO BIO/TECHNOLOGY, (1990 Feb) 8 (2) 140-3.

Journal code: 8309273. ISSN: 0733-222X.

L79 ANSWER 67 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Cellular growth-promoting peptides and their preparation from human .beta.-casein

SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF

L79 ANSWER 68 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Peptides from .beta.-casein hydrolysates as cellular growth promoters

SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF

L79 ANSWER 69 OF 69 CAPLUS COPYRIGHT 2002 ACS

TI Organization and sequence of the human .alpha.-lactalbumin gene

SO Biochem. J. (1987), 242(3), 735-42

CODEN: BIJOAK; ISSN: 0306-3275

=&gt; d ibib ab 65,62,52,51,26

L79 ANSWER 65 OF 69 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:140852 CAPLUS

DOCUMENT NUMBER: 118:140852

TITLE: Expression of heterologous proteins in the milk of transgenic rabbits

AUTHOR(S): Went, Dirk F.; Buhler, Thomas A.; Huebscher, Karen J.;

Stranzinger, Gerald

CORPORATE SOURCE: Inst. Anim. Sci., ETH Zurich, Zurich, CH-8092, Switz.

SOURCE: Proc. - Eur. Congr. Biotechnol., 5th (1990), Volume 2,

953-5. Editor(s): Christiansen, Claus; Munck, Lars; Villadsen, John. Munksgaard: Copenhagen, Den.  
CODEN: 57RVAO

DOCUMENT TYPE: Conference

LANGUAGE: English

AB The promoter region of the .beta.-casein gene from rabbits was isolated, sequenced, and used to make 2 gene constructs. Both constructs contained the rabbit .beta.-casein promoter linked to either the genomic human interleukin 2 gene or the bacterial .beta.-galactosidase gene. Microinjection of the foreign DNA into fertilized egg cells of transgenic rabbits was performed. Interleukin 2 was present only in the range of 50-430 mg/mL milk and thus 10-5-10-6 times lower than the natural level of .beta.-casein. The .beta.-galactosidase construct is still being tested but initial results are promising for .beta.-galactosidase gene expression.

L79 ANSWER 62 OF 69 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1991:625431 CAPLUS

DOCUMENT NUMBER: 115:225431

TITLE: Production of heterologous polypeptides by recombinant

cattle and transgenic methods

INVENTOR(S): Heyneker, Herbert L.; Deboer, Herman A.; Strijker,

Rein; Plantenburg, Gerard; Lee, Sang He

PATENT ASSIGNEE(S): Genpharm International, Inc., USA

SOURCE: PCT Int. Appl., 121 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9108216	A1	19910613	WO 1990-US6874	19901130
W: AU, BR, CA, FI, JP, KR, LK, MC, NO, SU				
RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, GR, IT,				
LU, ML, MR, NL, SE, SN, TD, TG				
CA 2075206	AA	19910602	CA 1990-2075206	19901130
AU 9196908	A1	19910626	AU 1991-69608	19901130
AU 656720	B2	19950216		
EP 502976	A1	19920916	EP 1991-901026	19901130
EP 502976	B1	19960703		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 140027	E	19960715	AT 1991-901026	19901130
EP 737746	A2	19961016	EP 1995-203326	19901130
EP 737746	A3	19961023		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ES 2090299	T3	19961016	ES 1991-901026	19901130
RU 2095414	C1	19971110	RU 1990-5052392	19901130
CN 1053446	A	19910731	CN 1990-109733	19901201
NO 9202996	A	19920729	NO 1992-2996	19920729
FI 9203485	A	19920731	FI 1992-3485	19920731
US 5633076	A	19970527	US 1993-154019	19931116
US 5741957	A	19980421	US 1995-461333	19950605
US 6013857	A	20000111	US 1995-464167	19950605
US 6140552	A	20001031	US 1995-476798	19950607
US 6066725	A	20000523	US 1998-158313	19980921

PRIORITY APPLN. INFO.: US 1989-444745 A 19891201

US 1990-619131 A 19901127

EP 1991-901026 A3 19901130

WO 1990-US6874 A 19901130

US 1992-898956 B2 19920615

US 1993-77788 B2 19930615

US 1993-154019 A3 19931116

US 1995-476798 A1 19950607

AB A method for prep. transgenic cows which secrete recombinant proteins

into their milk is described. The gene to be expressed in mammary tissue

is fused to a mammary tissue-specific promoter, e.g. that of the casein gene, a signal sequence, and a 3' flanking sequence functional in cattle.

The chimeric gene is first methylated, e.g. by cloning it in a prokaryotic

host. Fertilized oocytes are then transformed with this gene, and the fertilized oocytes are cultured to the preimplantation embryo stage.

A cell is removed from the embryo to test for the presence of the

desired

gene: the chimeric methylated gene is resistant to restriction endonuclease cleavage. The hemiembryo remaining after removing the cell

is cloned to prep. multiple embryos which are implanted into a cow

to produce transgenic offspring. The milk from the transgenic cows can be

used in food formulations, esp. infant formulas. A chimeric gene comprising human lactoferrin cDNA flanked by bovine alpha.S1-casein promoter and signal sequence and 3' regions was prep. Transgenic cows secreting lactoferrin into their milk were produced using this gene according to the above procedure.

L79 ANSWER 52 OF 69 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:501316 CAPLUS

DOCUMENT NUMBER: 122:237909

TITLE: Production and secretion of human extracellular

superoxide dismutase into milk of transgenic mammals  
 INVENTOR(S): Hansson, Lennart  
 PATENT ASSIGNEE(S): Symbicom AB, Swed.  
 SOURCE: PCT Int. Appl., 102 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9500637	A1	19950105	WO 1994-IB181	19940624
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, DE, DE, DK, DK, FI, FI, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, SK, TI, TT, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,				
CA 2164089	AA	19950105	CA 1994-2164089	19940624
AU 9469356	A1	19950117	AU 1994-69356	19940624
AU 687068	B2	19980219		
EP 705333	A1	19960410	EP 1994-917777	19940624
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08511688	T2	19961210	JP 1994-502622	19940624
US 6025540	A	20000215	US 1995-556965	19951207
PRIORITY APPLN. INFO.: DK 1993-753 19930624 WO 1994-IB181 19940624				

AB The present invention relates to a mammalian expression system comprising  
 a DNA sequence encoding human extracellular superoxide dismutase (hec-SOD)  
 or a variant thereof. The mammalian expression system is preferably expressed in a non-human mammal selected from the group contg. of rabbits,  
 mice, rats, goats, sheep, pigs, llama, camels and bovine species. The variants include hec-SOD having a reduced or an increased heparin affinity  
 as compared to hec-SOD type C. Within the scope of the invention are also  
 DNA fragments, hybrid genes, expression vectors, cells, method for producing a transgenic non-human mammal capable of expressing hec-SOD as  
 defined above, and non-human mammals expressing hec-SOD.  
 Transgenic mice  
 contg. a chimeric whey acidic protein gene promoter-hec-SOD gene were  
 produced. Levels of up to 0.7 mg hec-SOD/mL milk were obsd.

L79 ANSWER 51 OF 69 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1995:921967 CAPLUS  
 DOCUMENT NUMBER: 123:309463  
 TITLE: Preparation of human fibrinogen subunits in transgenic animals  
 INVENTOR(S): Velander, William H.; Lord, Susan T.; Drohan, William N.; Lubon, Henryk; Johnson, John L.; Russell, Christopher G.  
 PATENT ASSIGNEE(S): American National Red Cross, USA; Virginia Tech Intellectual Properties, Inc.; University of North Carolina  
 SOURCE: PCT Int. Appl., 49 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 8  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 9522249	A1	19950824	WO 1995-US1944	19950217
W: CA, JP, MX RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2183546	AA	19950824	CA 1995-2183546	19950217
EP 744891	A1	19961204	EP 1995-911012	19950217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 1050003	T2	19980106	JP 1995-521903	19950217
PRIORITY APPLN. INFO.: US 1994-198068 A 19940218 WO 1995-US1944 W 19950217				
AB Transgenic non-human animals, capable of expressing a heterologous gene for human or other recombinant fibrinogen protein or subunit chain polypeptides thereof or modified fibrinogens in mammary glands of the animals and secreting the expressed product into a body fluid, are provided. Prepn. of recombinant fibrinogens, subunit chains polypeptides thereof and modified fibrinogens, and fibrinogens fusion proteins in such animals is also described. Prepn. of transgenic mice expressing cDNA for human fibrinogen subunits A.alpha., B.beta., and G.gamma. was demonstrated and secretion of the fibrinogen subunits into milk obsd.				
L79 ANSWER 26 OF 69 MEDLINE DUPLICATE 13 ACCESSION NUMBER: 1999353959 MEDLINE DOCUMENT NUMBER: 99353959 PubMed ID: 10423524 TITLE: High-level expression of human lactoferrin in milk of transgenic mice using genomic lactoferrin sequence. AUTHOR: Kim S J; Sohn B H; Jeong S; Pak K W; Park J S; Park I Y; Lee T H; Choi Y H; Lee C S; Han Y M; Yu D Y; Lee K K CORPORATE SOURCE: Animal Molecular Physiology Research Unit Korea Research Institute of Bioscience and Biotechnology, Taejon, 305-333, Korea SOURCE: JOURNAL OF BIOCHEMISTRY, (1999 Aug) 126 (2) 320-5. Journal code: 0376600. ISSN: 0021-924X. PUB. COUNTRY: Japan Journal; Article; (JOURNAL ARTICLE) LANGUAGE: English FILE SEGMENT: Priority Journals ENTRY MONTH: 199912 ENTRY DATE: Entered STN: 20000113 Last Updated on STN: 20000113 Entered Medline: 19991213 AB In our previous study, transgenic mice were generated that expressed human lactoferrin (hLF) in milk using cDNA under control of the 2 kb bovine beta-casein promoter. The expression level of the protein in milk of 7 mice ranged from 1 to 200 microg/ml; 1 to 34 microg/ml in 6 mice and 200 microg/ml in 1 mouse. With the aim of inducing higher expression of the protein, we constructed an expression cassette comprised of 10 kb of the bovine beta-casein gene promoter and the hLF genomic sequence in place of the cDNA. The hLF genomic sequence of about 27 kb, spanning 23 kb of the entire coding region and 4 kb of the 3'-flanking sequence, was placed downstream of the bovine beta-casein promoter. In total, 8 transgenic mice were generated from 31 mice (transgenic rate of 25.8%) born from the embryos microinjected with the 40-kb hLF expression cassette. Mammary-specific expression of the transgene was addressed by performing Northern hybridization of the total RNAs from various tissues of				

transgenic mice. Immunoblot analysis showed that the recombinant protein expressed in milk has the same molecular weight as the native protein. The amount of the protein in milk of 5 mice ranged from 60 to 6,600 microg/ml when judged by ELISA analysis. Three mice expressed the protein at the level higher than 500 microg/ml. These data suggest that the genomic lactoferrin sequence represents a valuable element for the efficient expression of the protein in milk of transgenic animals.

=> dup rem 144  
PROCESSING COMPLETED FOR L44  
L80 9 DUP REM L44 (5 DUPLICATES REMOVED)

=> d ti so 1-9

L80 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1  
TI Expression of a heterologous protein C in mammary tissue of transgenic animals using a long whey acidic protein promoter.  
SO Official Gazette of the United States Patent and Trademark Office Patents, (July 17, 2001) Vol. 1248, No. 3, pp. No Pagination. e-file. ISSN: 0098-1133.

L80 ANSWER 2 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2  
TI Establishment of La-tPA/G-CSF dual transgenic mice and expression in their mammary gland.  
SO Science in China Series C Life Sciences, (June, 1999) Vol. 42, No. 3, pp. 330-336. ISSN: 1006-9305.

L80 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Correction of RNA aberrant splice increases foreign gene expression in transgenic mice  
SO Chinese Science Bulletin (1999), 44(3), 221-225  
CODEN: CSBUEF; ISSN: 1001-6538

L80 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Detection of human protein C gene interaction in transgenic rabbits by polymerase chain reaction  
SO Veterinarni Medicina (Prague) (1999), 44(3), 79-82  
CODEN: VTMDAR; ISSN: 0375-8427

L80 ANSWER 5 OF 9 MEDLINE DUPLICATE 3  
TI Growth hormone-releasing hormone (GHRH)-GH-somatic growth and luteinizing hormone (LH)RH-LH-ovarian axes in adult female transgenic mice expressing human GH gene.  
SO JOURNAL OF NEUROENDOCRINOLOGY, (1997 Aug) 9 (8) 615-26.  
Journal code: 8913461. ISSN: 0953-8194.

L80 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of human fibrinogen subunits in transgenic animals  
SO PCT Int. Appl., 49 pp.  
CODEN: PIXXD2

L80 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Production of growth hormone in transgenic animal milk  
SO PCT Int. Appl., 13 pp.  
CODEN: PIXXD2

L80 ANSWER 8 OF 9 MEDLINE DUPLICATE 4

TI Transgenic production of a variant of human tissue-type plasminogen activator in goat milk: generation of transgenic goats and analysis of expression.  
SO BIO/TECHNOLOGY, (1991 Sep) 9 (9) 835-8.  
Journal code: 8309273. ISSN: 0733-222X.

L80 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Production of human tissue plasminogen activator in transgenic mouse milk  
SO Bio/Technology (1987), 5(11), 1183-5, 1187  
CODEN: BTCHDA; ISSN: 0733-222X

=> d ibib ab 1

L80 ANSWER 1 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1  
ACCESSION NUMBER: 2001:428041 BIOSIS DOCUMENT NUMBER: PREV200100428041  
TITLE: Expression of a heterologous protein C in mammary tissue of transgenic animals using a long whey acidic protein promoter.  
AUTHOR(S): Lubon, Henryk (1); Drohan, William N.; Hennighausen, Lothar; Velander, William H.  
CORPORATE SOURCE: (1) Derwood, MD USA  
ASSIGNEE: American Red Cross, Rockville, MD, USA; Virginia  
Tech Intellectual Properties, Inc.; The United States of America as represented by the Department of Health and Human Services  
PATENT INFORMATION: US 6262336 July 17, 2001  
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (July 17, 2001) Vol. 1248, No. 3, pp. No Pagination. e-file. ISSN: 0098-1133.  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
AB An isolated DNA sequence which regulates the expression of a heterologous gene composed of a mouse whey acidic protein promoter having a length of greater than about 2.4 kb extending upstream from the unique KpnI site in the mouse whey acidic protein gene is disclosed. Specifically a mouse whey acidic protein promoter of about 4.1-4.2 kb in length extending upstream from the unique KpnI site is preferred. This mouse whey acidic protein promoter is operably linked to a DNA sequence encoding a heterologous polypeptide and used to prepare transgenic non-human mammals expressing the heterologous polypeptide in their milk. Particularly efficient expression of both cDNAs and genomic DNAs encoding heterologous polypeptides was obtained in transgenic non-human mammals using this promoter, known as the long whey acidic protein promoter.

=> dup rem 45  
ENTER L# LIST OR (END):end

=> dup rem 145  
PROCESSING COMPLETED FOR L45  
L81 5 DUP REM L45 (2 DUPLICATES REMOVED)

=> d ti so 1-5

L81 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS  
TI Construction of retroviral vectors with novel regulatory elements for

expressing proteins in a mammalian cell  
SO PCT Int. Appl., 151 pp.  
CODEN: PIXXD2

L81 ANSWER 2 OF 5 MEDLINE DUPLICATE 1  
TI Analysis of control elements for position-independent expression of human  
alpha-lactalbumin YAC.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Sep) 54 (1) 17-23.  
Journal code: 8903333. ISSN: 1040-452X.

L81 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Production of transgenic pigs and mice containing the gene encoding  
human insulin-like growth factor I (IGF-I) under control of the bovine alpha-lactalbumin promoter and regulatory regions.  
SO Journal of Dairy Science, (1998) Vol. 81, No. SUPPL. 1, pp. 213.  
Meeting Info.: Joint Meeting of the American Dairy Science Association and the American Society of Animal Science Denver, Colorado, USA July 28-31,  
1998 American Society of Animal Science  
ISSN: 0022-0302.

L81 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS  
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for dietary supplementation in hyperphenylalaninemia  
SO PCT Int. Appl., 77 pp.  
CODEN: PIXXD2

L81 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS  
TI Organization and sequence of the human .alpha.-lactalbumin gene  
SO Biochem. J. (1987), 242(3), 735-42  
CODEN: BJJOK; ISSN: 0306-3275

=> dup rem l46  
PROCESSING COMPLETED FOR L46  
L82 34 DUP REM L46 (19 DUPLICATES REMOVED)

=> d ti so 1-34  
L82 ANSWER 1 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Transgenic non-human mammals expressing human coagulation factor VIII and von Willebrand factor.  
SO Official Gazette of the United States Patent and Trademark Office Patents, (July 3, 2001) Vol. 1248, No. 1, pp. No Pagination. e-file.  
ISSN: 0098-1133.

L82 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Establishment of transgenic dairy goat by microinjection  
SO Zhongguo Shouyi Xuebao (2001), 21(3), 252-254  
CODEN: ZSXUF5; ISSN: 1005-4545

L82 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenically produced human antithrombin III and its mutants having enhanced antiangiogenic activity  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2

L82 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Method of producing transgenic animal expressing human granulocyte colony-stimulating factor in mammary gland and hybrid gene h-gm-1 for method realization

SO Russ., No pp. given  
CODEN: RUXXE7

L82 ANSWER 5 OF 34 MEDLINE DUPLICATE 1  
TI Mammary gland specific hEGF receptor transgene expression induces neoplasia and inhibits differentiation.  
SO ONCOGENE, (2000 Apr 20) 19 (17) 2129-37.  
Journal code: 8711562. ISSN: 0950-9232.

L82 ANSWER 6 OF 34 MEDLINE DUPLICATE 2  
TI Breast cancer-specific expression of the Candida albicans cytosine deaminase gene using a transcriptional targeting approach.  
SO CANCER GENE THERAPY, (2000 Jun) 7 (6) 845-52.  
Journal code: 9432230. ISSN: 0929-1903.

L82 ANSWER 7 OF 34 MEDLINE DUPLICATE 3  
TI Expression of a functional mouse-human chimeric anti-CD19 antibody in the milk of transgenic mice.  
SO TRANSGENIC RESEARCH, (2000 Apr) 9 (2) 155-9.  
Journal code: 9209120. ISSN: 0962-8819.

L82 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Human bile salt-stimulated lipase obtainable from transgenic sheep  
SO PCT Int. Appl., 67 pp.  
CODEN: PIXXD2

L82 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of human growth hormone by expressing it in mammary glands of transgenic animals  
SO Faming Zuanli Shenqing Gongkai Shuomingshu, 20 pp.  
CODEN: CNXXEV

L82 ANSWER 10 OF 34 MEDLINE DUPLICATE 4  
TI Use of doxycycline-controlled gene expression to reversibly alter milk-protein composition in transgenic mice.  
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1999 Mar) 260 (2) 533-9.  
Journal code: 0107600. ISSN: 0014-2956.

L82 ANSWER 11 OF 34 MEDLINE DUPLICATE 5  
TI In vivo and in vitro expression of human serum albumin genomic sequences in mammary epithelial cells with beta-lactoglobulin and whey acidic protein promoters.  
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1999 Mar) 52 (3) 241-52.  
Journal code: 8903333. ISSN: 1040-452X.

L82 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI cloning and expression in transgenic sheep and mice of human .alpha.-1-antitrypsin transgene  
SO PCT Int. Appl., 47 pp.  
CODEN: PIXXD2

L82 ANSWER 13 OF 34 MEDLINE DUPLICATE 6  
TI Production of biologically active salmon calcitonin in the milk of transgenic rabbits.  
SO NATURE BIOTECHNOLOGY, (1998 Jul) 16 (7) 647-51.  
Journal code: 9604648. ISSN: 1087-0156.

L82 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Recombinant production in transgenic animals of protein C modified at cleavage site between light and heavy chains  
SO PCT Int. Appl., 98 pp.  
CODEN: PIXXD2

L82 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI manufacture of human .gamma.-interferons in the mammary gland of transgenic animal using the promoter region of .beta.-lactoglobulin

gene  
SO Russ.  
From: Izobreteniya 1997, (20), 272.  
CODEN: RUXXE7

L82 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Target-specific protein production in transgenic mammals  
SO Eur. Pat. Appl., 16 pp.  
CODEN: EPXXDW

L82 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Production of human serum albumin in the milk of transgenic animals  
SO Proceedings of International Conference on Animal Biotechnology, Beijing,  
June 11-14, 1997 (1997), 353-358. Editor(s): Li, Ning; Chen, Yongfu.  
Publisher: International Academic Publishers, Beijing, Peop. Rep. China.  
CODEN: 68CNAB

L82 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI mRNA expression of human blood coagulation factor VIII (FVIII) gene  
constructs in transgenic mice  
SO Transgenics (1997), 2(2), 175-182  
CODEN: TADTEF; ISSN: 1023-6171

L82 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic animals expressing genes for human coagulation factor VIII and  
von willebrand factor with secretion of the protein into milk  
SO PCT Int. Appl., 28 pp.  
CODEN: PIXXD2

L82 ANSWER 20 OF 34 MEDLINE DUPLICATE 7  
TI High-level expression of recombinant human fibrinogen in the milk of  
transgenic mice.  
SO NATURE BIOTECHNOLOGY, (1996 Jul) 14 (7) 867-71.  
Journal code: 9604648. ISSN: 1087-0156.

L82 ANSWER 21 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Expression of human blood clotting factor VIII (FVIII) constructs in the  
mammary gland of transgenic mice and sheep.  
SO Journal of Animal Breeding and Genetics, (1996) Vol. 113, No. 4-5, pp.  
437-444.  
ISSN: 0931-2668.

L82 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI The glycosylation of human recombinant alpha-1-antitrypsin expressed in  
transgenic mice  
SO Biochem. Soc. Trans. (1996), 24(3), 339S  
CODEN: BCSTB5; ISSN: 0300-5127

L82 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of human fibrinogen subunits in transgenic animals  
SO PCT Int. Appl., 49 pp.  
CODEN: PIXXD2

L82 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for  
dietary supplementation in hyperphenylalaninemia  
SO PCT Int. Appl., 77 pp.  
CODEN: PIXXD2

L82 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Production and secretion of human extracellular superoxide dismutase into

milk of transgenic mammals  
SO PCT Int. Appl., 102 pp.  
CODEN: PIXXD2

L82 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Human erythropoietin-induced polycythemia in transgenic mice  
SO Mol. Cells (1995), 5(6), 634-40  
CODEN: MOCEEK; ISSN: 1016-8478

L82 ANSWER 27 OF 34 MEDLINE DUPLICATE 8  
TI Dramatic heterogeneity of transgene expression in the mammary gland of  
lactating mice: a model system to study the synthetic activity of mammary  
epithelial cells.  
SO JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, (1995 May) 43 (5) 461-70.  
Journal code: 9815334. ISSN: 0022-1554.

L82 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Efficient expression of human .alpha.1-antitrypsin by the  
caprine .beta.-lactoglobulin promoter in the mouse mammary cell, HC11  
SO Mol. Cells (1995), 5(3), 275-81  
CODEN: MOCEEK; ISSN: 1016-8478

L82 ANSWER 29 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Heterogeneous expression and synthesis of human serum albumin in the  
mammary gland of transgenic mice  
SO Intercell. Signalling Mammary Gland, [Proc. Hannah Symp.] (1995), Meeting  
Date 1994, 171-2. Editor(s): Wilde, Colin J.; Peaker, Malcolm; Knight,  
Christopher H. Publisher: Plenum, New York, N. Y.  
CODEN: 61ZIAS

L82 ANSWER 30 OF 34 MEDLINE DUPLICATE 9  
TI Specific combinations of human serum albumin introns direct high level  
expression of albumin in transfected COS cells and in the milk of transgenic mice.  
SO TRANSGENIC RESEARCH, (1994 Nov) 3 (6) 365-75.  
Journal code: 9209120. ISSN: 0962-8819.

L82 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Ectopic expression of .beta.-lactoglobulin/human serum albumin fusion  
genes in transgenic mice: hormonal regulation and in situ localization  
SO Transgenic Res. (1994), 3(3), 141-51  
CODEN: TRSEES; ISSN: 0962-8819

L82 ANSWER 32 OF 34 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 10  
TI HSA production by mammary explants of virgin transgenic mice: A reliable  
tool for predicting levels of secretion into milk.  
SO Animal Biotechnology, (1993) Vol. 4, No. 2, pp. 203-215.  
ISSN: 1049-5398.

L82 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI Expression of human serum albumin in the milk of transgenic mice  
SO Transgenic Res. (1992), 1(5), 195-208  
CODEN: TRSEES

L82 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2002 ACS  
TI High level expression of active human alpha-1-antitrypsin in the  
milk of transgenic sheep  
SO Bio/Technology (1991), 9(9), 830-4  
CODEN: BTCHDA; ISSN: 0733-222X

=> d ibib ab 4

L82 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 2002:64209 CAPLUS  
DOCUMENT NUMBER: 136:80856  
TITLE: Method of producing transgenic animal expressing  
human granulocyte colony-stimulating factor in mammary gland  
and hybrid gene h-gm-1 for method realization  
INVENTOR(S): Prokofev, M. I.; Gorodetskii, S. I.; Chernykh,  
V.  
Ya.; Mezina, M. N.; Lagutina, I. S.; Kosorukov, V. S.;  
Shepel, N. I.  
PATENT ASSIGNEE(S): Russia  
SOURCE: Russ., No pp. given  
CODEN: RUXXE7  
DOCUMENT TYPE: Patent  
LANGUAGE: Russian  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RU 2157846	C1	20001020	RU 1999-124719	19991125

AB Human granulocyte colony-stimulating factor is prep'd. by expression of recombinant proteins in mammary gland of transgenic animals. Milk of transgenic animals is used for prep. human granulocyte colony-stimulating factor. The integration of the transgene based on available genomic DNA copy and regulatory genes of milk proteins providing effective secretion of human granulocyte colony-stimulating factor with milk of transgenic animals was achieved. The invention can be used in immunol.

=> d his

(FILE 'HOME' ENTERED AT 08:52:14 ON 18 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 08:54:42 ON  
18 JUL 2002

L1 0 S CASEIN ADJ PROMOTER  
L2 480 S CASEIN(2A)PROMOTER  
L3 17 S WHEY ACID(2A)PROMOTER  
L4 31 S ?LACTALBUMIN(2A)PROMOTER  
L5 0 S ?LACTOALBUMIN(2A)PROMOTER  
E LACTOALBUMIN  
E LACTALBUMIN  
L6 178 S LACTOGLOBULIN(2A)PROMOTER  
L7 678508 S PIG OR PORCINE  
L8 762760 S CATTLE OR COW OR BOVINE  
L9 135902 S HORSE OR EQUINE  
L10 71287 S GOAT  
L11 6428 S CAMEL  
L12 282040 S SHEEP OR OVINE  
L13 5324583 S RODENT OR MOUSE OR RAT OR MURINE  
L14 6 S L7(S)L2  
L15 0 S L7(S)L3  
L16 2 S L7(S)L4  
L17 1 S L7(S)L6  
L18 92 S L8(S)L2  
L19 1 S L8(S)L3  
L20 16 S L8(S)L4  
L21 24 S L8(S)L6  
L22 0 S L9(S)L2  
L23 0 S L9(S)L3  
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L25 0 S L9(S)L6  
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L27 2 S L10(S)L3

L28 0 S L10(S)L4  
L29 14 S L10(S)L6  
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L34 13 S L12(S)L2  
L35 13 S L12(S)L2  
L36 2 S L12(S)L3  
L37 4 S L12(S)L4  
L38 74 S L12(S)L6  
L39 200 S L13(S)L2  
L40 15 S L13(S)L3  
L41 21 S L13(S)L4  
L42 77 S L13(S)L6  
L43 119 S HUMAN(S)L2  
L44 14 S HUMAN(S)L3  
L45 7 S HUMAN(S)L4  
L46 53 S HUMAN(S)L6  
L47 1913 S CASEIN(2A)GENE  
L48 27 S WHEY ACID(2A)GENE  
L49 275 S LACTALBUMIN(2A)GENE  
L50 444 S LACTOGLOBULIN(2A)GENE  
L51 1 S L7(S)L48  
L52 0 S L9(S)L47  
L53 0 S L9(S)L48  
L54 0 S L9(S)L49  
L55 6 S L9(S)L50  
L56 18 S L10(S)L49  
L57 2 S L11(S)L47  
L58 0 S L11(S)L48  
L59 2 S L11(S)L49  
L60 0 S L11(S)L50  
L61 3 DUP REM L14 (3 DUPLICATES REMOVED)  
L62 2 DUP REM L16 (0 DUPLICATES REMOVED)  
L63 11 DUP REM L21 (13 DUPLICATES REMOVED)  
L64 53 DUP REM L18 (39 DUPLICATES REMOVED)  
L65 1 DUP REM L19 (0 DUPLICATES REMOVED)  
L66 11 DUP REM L20 (5 DUPLICATES REMOVED)  
L67 11 DUP REM L21 (13 DUPLICATES REMOVED)  
L68 14 DUP REM L26 (3 DUPLICATES REMOVED)  
L69 1 DUP REM L27 (1 DUPLICATE REMOVED)  
L70 10 DUP REM L29 (4 DUPLICATES REMOVED)  
L71 7 DUP REM L35 (6 DUPLICATES REMOVED)  
L72 1 DUP REM L36 (1 DUPLICATE REMOVED)  
L73 2 DUP REM L37 (2 DUPLICATES REMOVED)  
L74 40 DUP REM L38 (34 DUPLICATES REMOVED)  
L75 102 DUP REM L39 (98 DUPLICATES REMOVED)  
L76 10 DUP REM L40 (5 DUPLICATES REMOVED)  
L77 10 DUP REM L41 (11 DUPLICATES REMOVED)  
L78 44 DUP REM L42 (33 DUPLICATES REMOVED)  
L79 69 DUP REM L43 (50 DUPLICATES REMOVED)  
L80 9 DUP REM L44 (5 DUPLICATES REMOVED)  
L81 5 DUP REM L45 (2 DUPLICATES REMOVED)  
L82 34 DUP REM L46 (19 DUPLICATES REMOVED)

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COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION

FULL ESTIMATED COST 518.96 519.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
SINCE FILE TOTAL

CA SUBSCRIBER PRICE -16.11 -16.11

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STN INTERNATIONAL SESSION SUSPENDED AT 10:50:54 ON 18  
JUL 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTA1636DXS

PASSWORD:

\*\*\*\*\* RECONNECTED TO STN INTERNATIONAL \*\*\*\*\*  
SESSION RESUMED IN FILE 'MEDLINE, BIOSIS, CAPLUS' AT  
11:08:16 ON 18 JUL 2002  
FILE 'MEDLINE' ENTERED AT 11:08:16 ON 18 JUL 2002  
FILE 'BIOSIS' ENTERED AT 11:08:16 ON 18 JUL 2002  
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)  
FILE 'CAPLUS' ENTERED AT 11:08:16 ON 18 JUL 2002  
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	518.96	519.80

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
SINCE FILE TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE	-16.11	-16.11

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L83 7429 HIRUDIN

=> s mammary  
L84 145039 MAMMARY

=> s l83(s)l84  
L85 6 L83(S) L84

=> dup rem l85  
PROCESSING COMPLETED FOR L85  
L86 3 DUP REM L85 (3 DUPLICATES REMOVED)

=> d ti so l86

L86 ANSWER 1 OF 3 MEDLINE DUPLICATE 1  
TI Proteolysis of human prolactin: resistance to cathepsin D and  
formation of  
a nonangiostatic, C-terminal 16K fragment by thrombin.  
SO ENDOCRINOLOGY, (1999 Sep) 140 (9) 4127-32.  
Journal code: 0375040. ISSN: 0013-7227.

=> d ti so 1-3

L86 ANSWER 1 OF 3 MEDLINE DUPLICATE 1  
TI Proteolysis of human prolactin: resistance to cathepsin D and  
formation of  
a nonangiostatic, C-terminal 16K fragment by thrombin.  
SO ENDOCRINOLOGY, (1999 Sep) 140 (9) 4127-32.  
Journal code: 0375040. ISSN: 0013-7227.

L86 ANSWER 2 OF 3 MEDLINE DUPLICATE 2  
TI Different effects of thrombin receptor activation on endothelium and  
smooth muscle cells of human coronary bypass vessels. Implications  
for  
venous bypass graft failure.  
SO CIRCULATION, (1997 Apr 1) 95 (7) 1870-6.  
Journal code: 0147763. ISSN: 0009-7322.

L86 ANSWER 3 OF 3 MEDLINE DUPLICATE 3  
TI Amidolytic assay for procoagulant activity of lymphoid and tumor  
cells.  
SO JOURNAL OF IMMUNOLOGICAL METHODS, (1986 May 1)  
89 (1) 131-9.  
Journal code: 1305440. ISSN: 0022-1759.

=> s l83(p)l84  
L87 8 L83(P) L84

=> dup rem l87  
PROCESSING COMPLETED FOR L87  
L88 3 DUP REM L87 (5 DUPLICATES REMOVED)

=> d ti so 1-3

L88 ANSWER 1 OF 3 MEDLINE DUPLICATE 1  
TI Proteolysis of human prolactin: resistance to cathepsin D and  
formation of  
a nonangiostatic, C-terminal 16K fragment by thrombin.  
SO ENDOCRINOLOGY, (1999 Sep) 140 (9) 4127-32.  
Journal code: 0375040. ISSN: 0013-7227.

L88 ANSWER 2 OF 3 MEDLINE DUPLICATE 2  
TI Different effects of thrombin receptor activation on endothelium and  
smooth muscle cells of human coronary bypass vessels. Implications  
for  
venous bypass graft failure.  
SO CIRCULATION, (1997 Apr 1) 95 (7) 1870-6.  
Journal code: 0147763. ISSN: 0009-7322.

L88 ANSWER 3 OF 3 MEDLINE DUPLICATE 3  
TI Amidolytic assay for procoagulant activity of lymphoid and tumor  
cells.  
SO JOURNAL OF IMMUNOLOGICAL METHODS, (1986 May 1)  
89 (1) 131-9.  
Journal code: 1305440. ISSN: 0022-1759.

=> s milk  
L89 267204 MILK

=> s l83 and l89  
L90 9 L83 AND L89

=> dup rem l90  
PROCESSING COMPLETED FOR L90  
L91 9 DUP REM L90 (0 DUPLICATES REMOVED)

=> d ti so 1-9

L91 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Methods for treating immunomediated inflammatory disorders and  
changing  
skin pigmentation  
SO U.S., 52 pp., Cont.-in-part of U.S. Ser. No. 110,409.  
CODEN: USXXAM

L91 ANSWER 2 OF 9 MEDLINE  
TI Hirudin treatment in a breastfeeding woman.  
SO LANCET, (2000 Feb 5) 355 (9202) 467-8.  
Journal code: 2985213R. ISSN: 0140-6736.

L91 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Method for detecting the origin of livestock and the products  
obtained  
therefrom  
SO PCT Int. Appl., 20 pp.  
CODEN: PIXXD2

L91 ANSWER 4 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL  
ABSTRACTS INC.  
TI Hirudin is not detectable in human breast milk.  
SO Annals of Hematology, (1999) Vol. 78, No. SUPPL. 1, pp. A82.  
Meeting Info.: 43rd Annual Meeting of the Society for Thrombosis  
and  
Hemostasis Mannheim, Germany February 24-27, 1999 Society for  
Thrombosis  
and Hemostasis  
ISSN: 0939-5555.

L91 ANSWER 5 OF 9 MEDLINE  
TI [Not Available].  
Kobenhavns Kommunes ojenafdeling: 2. del: Holms epoke 1929-57.

SO Dan Medicinhist Arbog, (1998) 13-41.  
Journal code: 0434570. ISSN: 0084-9588.

L91 ANSWER 6 OF 9 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Anticoagulant drugs.  
SO Herz, (1996) Vol. 21, No. 1, pp. 12-27.  
ISSN: 0340-9937.

L91 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Use of rabbit whey acidic protein gene promoter in production of a protein  
of interest in the milk of a transgenic mammal  
SO PCT Int. Appl., 35 pp.  
CODEN: PIXXD2

L91 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Assaying proteases with tagged proteinaceous inhibitors  
SO Eur. Pat. Appl., 26 pp.  
CODEN: EPXXDW

L91 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2002 ACS  
TI Observations of the rennin coagulation of milk. Effect of hirudin, of heparin, of cephalin and of fat removal  
SO J. Biol. Chem. (1928), 78, 557-72

=> d ibib ab 7

L91 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS  
ACCESSION NUMBER: 1993:162464 CAPLUS  
DOCUMENT NUMBER: 118:162464  
TITLE: Use of rabbit whey acidic protein gene promoter in production of a protein of interest in the milk of a transgenic mammal  
INVENTOR(S): Houdebine, Louis Marie; Devinoy, Eve; Thepot, Dominique  
PATENT ASSIGNEE(S): Institut National de la Recherche Agronomique, Fr.  
SOURCE: PCT Int. Appl., 35 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9222644	A1	19921223	WO 1992-FR533	19920612
W: CA, JP, US				
FR 2677652	A1	19921218	FR 1991-7179	19910612
CA 2111238	AA	19921213	CA 1992-2111238	19920612
EP 527063	A1	19930210	EP 1992-401635	19920612
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, PT, SE				
JP 06508515	T2	19940929	JP 1992-511080	19920612
US 5965788	A	19991012	US 1994-162146	19940210
US 6268545	B1	20010731	US 1999-314127	19990519
PRIORITY APPLN. INFO.:			FR 1991-7179	A 19910612
			WO 1992-FR533	W 19920612
			US 1994-162146	A1 19940210

AB A process for manufg. a protein of interest comprises prepg. a transgenic female mammal contg. a chimeric gene integrated into its genome and

isolation of the protein from the milk. The chimeric gene consists of the desired protein gene fused to the 3' portion of the promoter of the rabbit whey acidic protein. Both human and bovine somatotropin were prepd. with transgenic mice using the described procedure. The yields of human and bovine somatotropin were .1toreq.21 and .1toreq.17 mg/mL, resp.

=> s heterologous or transgenic or recombinant or overexpress?  
L92 769536 HETEROLOGOUS OR TRANSGENIC OR RECOMBINANT OR OVEREXPRESS?

=> s I83(s)I92  
L93 1878 L83(S) L92

=> s breast or milk or mammary  
L94 661520 BREAST OR MILK OR MAMMARY

=> s I93 and I94  
L95 7 L93 AND L94

=> dup rem I95  
PROCESSING COMPLETED FOR L95  
L96 5 DUP REM L95 (2 DUPLICATES REMOVED)

=> d ti so I96

L96 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Tissue factor-factor VIIa induces phosphorylation of p44/42 mitogen-activated protein kinase mainly by the generation of factor Xa in human breast cancer cells.  
SO Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. 250a.  
http://www.bloodjournal.org/. print  
Meeting Info.: 43rd Annual Meeting of the American Society of Hematology,  
Part 1 Orlando, Florida, USA December 07-11, 2001  
ISSN: 0006-4971.

=> d ti so 1-5

L96 ANSWER 1 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Tissue factor-factor VIIa induces phosphorylation of p44/42 mitogen-activated protein kinase mainly by the generation of factor Xa in human breast cancer cells.  
SO Blood, (November 16, 2001) Vol. 98, No. 11 Part 1, pp. 250a.  
http://www.bloodjournal.org/. print  
Meeting Info.: 43rd Annual Meeting of the American Society of Hematology,  
Part 1 Orlando, Florida, USA December 07-11, 2001  
ISSN: 0006-4971.

L96 ANSWER 2 OF 5 MEDLINE

TI Enhanced expression of urokinase receptor induced through the tissue factor-factor VIIa pathway in human pancreatic cancer.  
SO CANCER RESEARCH, (1998 Oct 1) 58 (19) 4461-7.  
Journal code: 2984705R. ISSN: 0008-5472.

L96 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

TI Severe heparin-induced thrombocytopenia (HIT II syndrome) with sinus venosus thrombosis after female breast surgery: Successful treatment with recombinant hirudin.  
SO Geburtshilfe und Frauenheilkunde, (Nov., 1998) Vol. 58, No. 11, pp. 614-617.  
ISSN: 0016-5751.

L96 ANSWER 4 OF 5 MEDLINE DUPLICATE 1  
TI Different effects of thrombin receptor activation on endothelium and smooth muscle cells of human coronary bypass vessels. Implications for venous bypass graft failure.  
SO CIRCULATION, (1997 Apr 1) 95 (7) 1870-6.  
Journal code: 0147763. ISSN: 0009-7322.

L96 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS  
TI Use of rabbit whey acidic protein gene promoter in production of a protein  
of interest in the milk of a transgenic mammal  
SO PCT Int. Appl., 35 pp.  
CODEN: PIXXD2

=> s transgenic and camel  
L97 28 TRANSGENIC AND CAMEL

=> dup rem l97  
PROCESSING COMPLETED FOR L97  
L98 22 DUP REM L97 (6 DUPLICATES REMOVED)

=> d ti so 1-22

L98 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Production of humanized antibodies in transgenic animals for treating infections  
SO PCT Int. Appl., 81 pp.  
CODEN: PIXXD2

L98 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Raising antibody concentration in milk of polymeric Ig receptor-transgenic animals  
SO PCT Int. Appl., 39 pp.  
CODEN: PIXXD2

L98 ANSWER 3 OF 22 MEDLINE DUPLICATE 1  
TI Efficient tumor targeting by single-domain antibody fragments of camels.  
SO INTERNATIONAL JOURNAL OF CANCER, (2002 Mar 20) 98 (3) 456-62.  
Journal code: 0042124. ISSN: 0020-7136.

L98 ANSWER 4 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2  
TI DNA encoding human kappa casein and process for obtaining the protein.  
SO Official Gazette of the United States Patent and Trademark Office Patents, (May 15, 2001) Vol. 1246, No. 3, pp. No Pagination. e-file.  
ISSN: 0098-1133.

L98 ANSWER 5 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Transgenic non-human mammal expressing the DNA sequence encoding kappa casein mammary gland and milk.  
SO Official Gazette of the United States Patent and Trademark Office Patents, (Apr. 24, 2001) Vol. 1245, No. 4, pp. No Pagination. e-file.  
ISSN: 0098-1133.

L98 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Animals overexpressing the whn gene showing altered hair follicle development  
SO PCT Int. Appl., 72 pp.  
CODEN: PIXXD2

L98 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Recombinant fusion molecules  
SO PCT Int. Appl., 36 pp.  
CODEN: PIXXD2

L98 ANSWER 8 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Transgenic non-human mammals producing EC-SOD protein in their milk.  
SO Official Gazette of the United States Patent and Trademark Office

Patents,  
(Feb. 15, 2000) Vol. 1231, No. 3, pp. No pagination. e-file.  
ISSN: 0098-1133.

L98 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Double nuclear transfer method using an intermediate stage of implantation into an oocyte with karyoplast formation and the clonal propagation of mammals  
SO PCT Int. Appl., 63 pp.  
CODEN: PIXXD2

L98 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Stabilization of milk from transgenic animals by expression of serine proteinase inhibitors  
SO PCT Int. Appl., 56 pp.  
CODEN: PIXXD2

L98 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Use of Drosophila mariner-like transposable elements in the production of transgenic animals  
SO PCT Int. Appl., 42 pp.  
CODEN: PIXXD2

L98 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Recognition domains for specific assembly of procollagen pro-alpha chains  
SO PCT Int. Appl., 48 pp.  
CODEN: PIXXD2

L98 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Production of transgenic donor cells for nuclear transfer  
SO PCT Int. Appl., 66 pp.  
CODEN: PIXXD2

L98 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Comparative studies on mammalian Hoxc8 early enhancer sequence reveal a baleen whale-specific deletion of a cis-acting element  
SO Proceedings of the National Academy of Sciences of the United States of America (1998), 95(26), 15446-15451  
CODEN: PNASA6; ISSN: 0027-8424

L98 ANSWER 15 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Totipotent cells for nuclear transfer for the preparation of transgenic animals  
SO PCT Int. Appl., 28 pp.  
CODEN: PIXXD2

L98 ANSWER 16 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic production of antibodies in milk and usefulness for diagnostics, therapy, or industry  
SO PCT Int. Appl., 24 pp.  
CODEN: PIXXD2

L98 ANSWER 17 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Modified .alpha.-lactalbumins containing few or no phenylalanines for dietary supplementation in hyperphenylalaninemia  
SO PCT Int. Appl., 77 pp.  
CODEN: PIXXD2

L98 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2002 ACS  
TI Production and secretion of human extracellular superoxide dismutase into milk of transgenic mammals  
SO PCT Int. Appl., 102 pp.  
CODEN: PIXXD2

L98 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2002 ACS

TI DNA encoding .kappa.-casein, manufacture of the protein with recombinant

cells or transgenic mammals, and milk or infant formula containing the protein

SO PCT Int. Appl., 124 pp.

CODEN: PIXXD2

L98 ANSWER 20 OF 22 MEDLINE DUPLICATE 3

TI Carbonyl-metabolizing enzymes and their relatives recruited as structural

proteins in the eye lens.

SO ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY, (1993) 328 159-68. Ref. 43

Journal code: 0121103. ISSN: 0065-2598.

L98 ANSWER 21 OF 22 MEDLINE DUPLICATE 4

TI Expression of the whey acidic protein in transgenic pigs impairs mammary development.

SO TRANSGENIC RESEARCH, (1992 May) 1 (3) 124-32.

Journal code: 9209120. ISSN: 0962-8819.

L98 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2002 ACS

TI Manufacture of recombinant proteins by secretion into milk of transgenic mammals

SO PCT Int. Appl., 20 pp.

CODEN: PIXXD2

=> d ibib ab 22,19,18,10,5

L98 ANSWER 22 OF 22 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1989:451714 CAPLUS

DOCUMENT NUMBER: 111:51714

TITLE: Manufacture of recombinant proteins by secretion into

milk of transgenic mammals

INVENTOR(S): Meade, Harry; Longberg, Nils

PATENT ASSIGNEE(S): Biogen N. V., Neth.

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 8810118 A1 19881229 WO 1988-US2134 19880623

W: JP

RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE

US 4873316 A 19891010 US 1987-65994 19870623

EP 347431 A1 19891227 EP 1988-906454 19880623

EP 347431 B1 19951004

R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

JP 02500798 T2 19900322 JP 1988-505800 19880623

JP 2898003 B2 19990531

AT 128625 E 19951015 AT 1988-906454 19880623

JP 11253097 A2 19990921 JP 1998-357018 19880623

JP 2000300115 A2 20001031 JP 2000-71355 19880623

US 5750172 A 19980512 US 1995-460959 19950605

PRIORITY APPLN. INFO.: US 1987-65994 A 19870623

JP 1988-505800 A3 19880623

JP 1998-357018 A3 19880623

WO 1988-US2134 W 19880623

US 1989-332293 B1 19890331

US 1993-109865 B1 19930820

US 1994-322984 A1 19941014

AB A method for producing desired proteins by producing transgenic mammals which secrete the protein into the milk is described. A section

of the bovine .alpha. S-1 casein gene contg. the promoter and signal sequence was cloned. This DNA sequence was ligated to tissue-type plasminogen activator (tPA) cDNA via DNA contg. RNA processing splice

sites (which allow the casein signal sequence RNA to be spliced to the

tPA-encoding RNA) to prep. pCAS1151. Preimplantation fertilized mice

embryos were microinjected with this (linearized) DNA and then implanted

in pseudopregnant female mice. Of 262 embryos injected and implanted, 23

live pups were born, 5 of which contained the desired DNA sequences. Male

G0 mice were bred with females. Females of the G1 progeny which contained

the tPA sequence produced 0.2-0.5 .mu.g tPA/mL milk.

L98 ANSWER 19 OF 22 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1993:642958 CAPLUS

DOCUMENT NUMBER: 119:242958

TITLE: DNA encoding .kappa.-casein, manufacture of the protein with recombinant cells or transgenic mammals, and milk or infant formula containing the protein

INVENTOR(S): Hansson, Lennart; Stroemqvist, Mats; Bergstroem, Sven;

Hernell, Olle; Toernell, Jan

PATENT ASSIGNEE(S): Symbicom Aktiebolag, Swed.

SOURCE: PCT Int. Appl., 124 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

WO 9315196 A1 19930805 WO 1993-DK24 19930125

W: AU, BB, BG, BR, CA, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ,

PL, RO, RU, SD, UA, US

RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,

BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG

AU 9333464 A1 19930901 AU 1993-33464 19930125

EP 625197 A1 19941123 EP 1993-902110 19930125

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE,

JP 07503136 T2 19950406 JP 1993-512867 19930125

US 6222094 B1 20010424 US 1994-256799 19941206

US 6232094 B1 20010515 US 1995-462437 19950605

PRIORITY APPLN. INFO.: DK 1992-88 A 19920123

WO 1993-DK24 A 19930125

US 1994-256799 A2 19941206

AB The human .kappa.-casein gene and cDNA are cloned and sequenced.

.kappa.-Casein produced by expression of the cDNA or gene in recombinant

cells or transgenic mammals can be used to prep. infant formula (no data). E. coli transformed with expression vector pS425, contg. human .kappa.-casein cDNA fused to the heat-stable enterotoxin II signal sequence and the T7 promoter, produced .kappa.-casein. A bovine papilloma virus I-derived vector was prep'd. and used to prep.

.kappa.-casein-producing CHO and C127 cells. Transgenic female mice which secreted .kappa.-casein into their milk were also produced.

L98 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:501316 CAPLUS

DOCUMENT NUMBER: 122:237909

TITLE: Production and secretion of human extracellular superoxide dismutase into milk of transgenic mammals

INVENTOR(S): Hansson, Lennart

PATENT ASSIGNEE(S): Symbicom AB, Swed.

SOURCE: PCT Int. Appl., 102 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9500637	A1	19950105	WO 1994-IB181	19940624
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, CZ, DE, DE, DK, DK, FI, FI,				
GE, HU, JP, KE, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ,				
PL, RO, RU, SD, SI, SK, SK, TJ, TT, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,				
BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2164089	AA	19950105	CA 1994-2164089	19940624
AU 9469356	A1	19950117	AU 1994-69356	19940624
AU 687068	B2	19980219		
EP 705333	A1	19960410	EP 1994-917777	19940624
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 08511688	T2	19961210	JP 1994-502622	19940624
US 6025540	A	20000215	US 1995-556965	19951207
PRIORITY APPLN. INFO.:		DK 1993-753		19930624
		WO 1994-IB181		19940624

AB The present invention relates to a mammalian expression system comprising a DNA sequence encoding human extracellular superoxide dismutase (hec-SOD) or a variant thereof. The mammalian expression system is preferably expressed in a non-human mammal selected from the group contg. of rabbits, mice, rats, goats, sheep, pigs, llama, camels and bovine species. The variants include hec-SOD having a reduced or an increased heparin affinity as compared to hec-SOD type C. Within the scope of the invention are also DNA fragments, hybrid genes, expression vectors, cells, method for producing a transgenic non-human mammal capable of expressing hec-SOD as defined above, and non-human mammals expressing hec-SOD. Transgenic mice contg. a chimeric whey acidic protein gene promoter-hec-SOD gene were produced. Levels of up to 0.7 mg hec-SOD/mL milk were obsd.

L98 ANSWER 10 OF 22 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:367974 CAPLUS

DOCUMENT NUMBER: 133:1487

TITLE: Stabilization of milk from transgenic animals by expression of serine proteinase inhibitors

INVENTOR(S): Cottingham, Ian Robert; McCreadh, Graham Edward

PATENT ASSIGNEE(S): PPL Therapeutics (Scotland) Ltd., UK

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000030436	A1	20000602	WO 1999-GB3868	19991119
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,				
CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,				
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				

MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG EP 1130961 A1 20010912 EP 1999-972491 19991119 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: GB 1998-25374 A 19981119 US 1999-128546P P 19990409 WO 1999-GB3868 W 19991119

AB The present invention relates to the stabilization of milk from transgenic animals. Both the plasmin and thrombin activities in milk have a substantial impact on reducing process yields of fibrinogen, necessitating a more complex recovery process and shortening the useful storage life of milk. In particular, the invention relates to the protection of proteins (e.g. fibrinogen) expressed in milk from transgenic animals by co-expression of a serine proteinase inhibitor (e.g. .alpha.1-antitrypsin) in the milk of the transgenic animals.

REFERENCE COUNT: 6 THERE ARE 6 CITED

REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L98 ANSWER 5 OF 22 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2001:473142 BIOSIS

DOCUMENT NUMBER: PREV200100473142

TITLE: Transgenic non-human mammal expressing the DNA sequence encoding kappa casein mammary gland and milk.

AUTHOR(S): Hansson, Lennart (1); Stromqvist, Mats; Bergstrom, Sven;

Hernell, Olle; Tornell, Jan

CORPORATE SOURCE: (1) Ume&&ANG Sweden  
ASSIGNEE: Symbicom Aktiebolag, Umea, Sweden

PATENT INFORMATION: US 6222094 April 24, 2001

SOURCE: Official Gazette of the United States Patent and Trademark

Office Patents, (Apr. 24, 2001) Vol. 1245, No. 4, pp. No  
Pagination. e-file.

ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

AB The present invention relates to an expression system comprising a DNA

sequence encoding a polypeptide which ha a biological activity of human

kappa-casein, the system comprising a 5'-flanking sequence capable of

mediating expression of said DNA sequence. In preferred  
embodiments the

5'-flanking sequence is from a milk protein gene of a mammal such  
as a

casein gene or whey acidic protein (WAP) gene and the DNA  
sequence

contains at least one intron sequence. The invention further relates to  
DNA sequences, replicable expression vectors and cells harboring  
said

vectors, recombinant polypeptide e.g. in glycosylated form, and milk,  
infant formula or nutrient supplement comprising recombinant  
polypeptide.

The invention also relates to a method for producing a transgenic  
non-human mammal comprising injecting an expression system as  
defined

above and optionally a further DNA encoding beta-casein or an

analog,

variant or subsequence thereof into a fertilized egg or a cell of an embryo of a mammal so as to incorporate the expression system into the

germline of the mammal and developing the resulting injected fertilized

egg or embryo into an adult female mammal. In one embodiment, the endogenous polypeptide expressing capability of the mammal is destroyed

and/or replaced with the expression system defined above. The invention

further relates to a transgenic non-human mammal such as a mouse, rat, rabbit, goat, sheep, pig, llama, camel or bovine species whose germ cells or somatic cells contain a DNA sequence as defined

above as a result of chromosomal incorporation into the non-human mammalian genome, or into the genome of an ancestor of said non-human mammal.

=> s transgenic(s)horse

L99 52 TRANSGENIC(S) HORSE

=> dup rem 199

PROCESSING COMPLETED FOR L99

L100 43 DUP REM L99 (9 DUPLICATES REMOVED)

=> d ti so 1-43

L100 ANSWER 1 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Preparing transgenic grasses with herbicide resistance and inhibited generative propagation and uses for purposes of forage, amenity or sports

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

L100 ANSWER 2 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Preparing of transgenic grasses with genetically modified phenotypes for

purposes of forage, amenity or sports

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

L100 ANSWER 3 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Production of humanized antibodies in transgenic animals for treating infections

SO PCT Int. Appl., 81 pp.

CODEN: PIXXD2

L100 ANSWER 4 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Mutants of mammalian growth hormone and growth hormone releasing hormone

with enhanced stability and therapeutical uses

SO Eur. Pat. Appl., 74 pp.

CODEN: EPXXDW

L100 ANSWER 5 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Cosmetic composition comprising human serum albumin obtained from transgenic non-human animals

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

L100 ANSWER 6 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Method for increasing calcium storage in plants by overexpression of

calcium-binding proteins or peptide-encoding transgene

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

L100 ANSWER 7 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Cloning and sequencing of Renilla green fluorescent protein and

luciferase

and their use in diagnostics, high throughput screening and bioluminescence generating systems

SO PCT Int. Appl., 175 pp.

CODEN: PIXXD2

L100 ANSWER 8 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Production of cloned transgenic ungulates, preferably bovines that produce

human immunoglobulins

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

L100 ANSWER 9 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Transgenic microorganisms presenting mimics of mammalian adhesin-binding

oligosaccharides on their surfaces and their use in controlling infection

SO PCT Int. Appl., 94 pp.

CODEN: PIXXD2

L100 ANSWER 10 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Manufacture of human prothrombin and prothrombin analogs in transgenic

animals for therapeutic use

SO PCT Int. Appl., 66 pp.

CODEN: PIXXD2

L100 ANSWER 11 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Methods of muscle atrophy treatment by inhibiting Ras gene activation or

Raf/Mek/Erk signalling pathways

SO PCT Int. Appl., 27 pp.

CODEN: PIXXD2

L100 ANSWER 12 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Transgenic animals expressing recombinant human membrane cofactor protein

having reduced measles virus infection while retaining resistance to hyperacute rejection

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

L100 ANSWER 13 OF 43 MEDLINE

DUPLICATE 1

TI Expression of a single betaalpha chain protein of equine LH/CG in milk of

transgenic rabbits and its biological activity.

SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (2001 Mar 28) 174 (1-2) 31-40.

Journal code: 7500844. ISSN: 0303-7207.

L100 ANSWER 14 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Transgenic animals expressing salivary proteins

SO PCT Int. Appl., 152 pp.

CODEN: PIXXD2

L100 ANSWER 15 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Stabilization of milk from transgenic animals by expression of serine

proteinase inhibitors

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

L100 ANSWER 16 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Transgenic animals as bioreactors for production of protein in urine by

kidney-specific expression using the uromodulin gene promoter

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

L100 ANSWER 17 OF 43 CAPLUS COPYRIGHT 2002 ACS

TI Transfection of male germ cells for generation of selectable transgenic

stem cells

SO PCT Int. Appl., 98 pp.  
CODEN: PIXXD2

L100 ANSWER 18 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI .alpha.1,2- and .alpha.1,3-Fucosyltransferases from *Caenorhabditis elegans*  
and transgenic mammals incorporating the enzymes  
SO PCT Int. Appl., 113 pp.  
CODEN: PIXXD2

L100 ANSWER 19 OF 43 MEDLINE DUPLICATE 2  
TI Species-specific variation in glycosylation of IgG: evidence for the species-specific sialylation and branch-specific galactosylation and importance for engineering recombinant glycoprotein therapeutics.  
SO GLYCOBIOLOGY, (2000 May) 10 (5) 477-86.  
Journal code: 9104124. ISSN: 0959-6658.

L100 ANSWER 20 OF 43 MEDLINE DUPLICATE 3  
TI Animal models of uveal melanoma.  
SO MELANOMA RESEARCH, (2000 Jun) 10 (3) 195-211. Ref: 161  
Journal code: 9109623. ISSN: 0960-8931.

L100 ANSWER 21 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic cells and animals producing essential fatty acids for use in food, feed, cosmetics and bioactive lipid preparation  
SO PCT Int. Appl., 71 pp.  
CODEN: PIXXD2

L100 ANSWER 22 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic animals produced by homologous sequence targeting  
SO PCT Int. Appl., 82 pp.  
CODEN: PIXXD2

L100 ANSWER 23 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Facilitating of method for detecting prions in biological sample using transgenic animals which are susceptible to prion disease  
SO PCT Int. Appl., 45 pp.  
CODEN: PIXXD2

L100 ANSWER 24 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Immunomodulatory acty of Fab and F(ab')2 fragments of polyclonal antilymphocyte globulins  
SO PCT Int. Appl., 50 pp.  
CODEN: PIXXD2

L100 ANSWER 25 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Methods for the degradation and detoxification of organic material using urine produced by transgenic animals  
SO PCT Int. Appl., 59 pp.  
CODEN: PIXXD2

L100 ANSWER 26 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Method of detecting prions in a biological sample using transgenic mice which are susceptible to prion infection  
SO U.S., 25 pp., Cont.-in-part of U.S. 5,763,740.  
CODEN: USXXAM

L100 ANSWER 27 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Glufosinate ammonium; pesticide tolerance  
SO Federal Register (1999), 64(213), 60112-60121, 4 Nov 1999  
CODEN: FEREAC; ISSN: 0097-6326

L100 ANSWER 28 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic animal models for human cardiomyopathies  
SO Ger. Offen., 8 pp.  
CODEN: GWXXBX

L100 ANSWER 29 OF 43 MEDLINE  
TI Seeding of intravascular stents by the xenotransplantation of genetically modified endothelial cells.

SO SEMINARS IN INTERVENTIONAL CARDIOLOGY, (1998 Sep-Dec) 3 (3-4) 217-20.  
Journal code: 9606070. ISSN: 1084-2764.

L100 ANSWER 30 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Tissue-specific expression vectors for vascular smooth muscle cells using a myosin heavy chain gene promoter  
SO Eur. Pat. Appl., 14 pp.  
CODEN: EPXXDW

L100 ANSWER 31 OF 43 MEDLINE DUPLICATE 4  
TI Preferential selection of receptor-binding variants of influenza virus hemagglutinin by the neutralizing antibody repertoire of transgenic mice expressing a human immunoglobulin mu minigene.  
SO JOURNAL OF VIROLOGY, (1997 Apr) 71 (4) 2600-5.  
Journal code: 0113724. ISSN: 0022-538X.

L100 ANSWER 32 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Multiple component RNA catalysts and their use in targeted cleavage of mRNA  
SO PCT Int. Appl., 207 pp.  
CODEN: PIXXD2

L100 ANSWER 33 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Transgenic animals expressing genes for human coagulation factor VIII and von willebrand factor with secretion of the protein into milk  
SO PCT Int. Appl., 28 pp.  
CODEN: PIXXD2

L100 ANSWER 34 OF 43 MEDLINE DUPLICATE 5  
TI Differentiation potential of conditionally immortalized mesenchymal progenitor cells from adult marrow of a H-2Kb-tsA58 transgenic mouse.  
SO JOURNAL OF CELLULAR PHYSIOLOGY, (1996 Jun) 167 (3) 523-38.  
Journal code: 0050222. ISSN: 0021-9541.

L100 ANSWER 35 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Humanized milk production by transgenic mammal containing human gene for oligosaccharide/glycoconjugate-forming enzyme and humanized milk use for enteral nutrition  
SO PCT Int. Appl., 82 pp.  
CODEN: PIXXD2

L100 ANSWER 36 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Preparation of human fibrinogen subunits in transgenic animals  
SO PCT Int. Appl., 49 pp.  
CODEN: PIXXD2

L100 ANSWER 37 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI Embryonic stem cells as nuclear donors and nuclear transfer techniques to produce chimeric and transgenic animals  
SO PCT Int. Appl., 55 pp.  
CODEN: PIXXD2

L100 ANSWER 38 OF 43 CAPLUS COPYRIGHT 2002 ACS  
TI In vivo production of transgenic organ by introducing the transgene via lumen  
SO PCT Int. Appl., 34 pp.  
CODEN: PIXXD2

L100 ANSWER 39 OF 43 MEDLINE DUPLICATE 6  
TI Transgenic livestock as genetic models of human disease.  
SO REPRODUCTION, FERTILITY, AND DEVELOPMENT, (1994)



new update  
 frequency  
 NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated  
 Effective 3/31/02  
 NEWS 6 Mar 08 Gene Names now available in BIOSIS  
 NEWS 7 Mar 22 TOXLIT no longer available  
 NEWS 8 Mar 22 TRCTHERMO no longer available  
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 and USPATFULL  
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 NEWS 11 Apr 02 PAPERCHEM no longer available on STN. Use  
 PAPERCHEM2 instead.  
 NEWS 12 Apr 08 "Ask CAS" for self-help around the clock  
 NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New  
 Subject Area  
 NEWS 14 Apr 09 ZDB will be removed from STN  
 NEWS 15 Apr 19 US Patent Applications available in IFICDB,  
 IFIPAT, and IFIUDB  
 NEWS 16 Apr 22 Records from IP.com available in CAPLUS,  
 HCAPLUS, and ZCAPLUS  
 NEWS 17 Apr 22 BIOSIS Gene Names now available in  
 TOXCENTER  
 NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now  
 available  
 NEWS 19 Jun 03 New e-mail delivery for search results now available  
 NEWS 20 Jun 10 MEDLINE Reload  
 NEWS 21 Jun 10 PCTFULL has been reloaded  
 NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file  
 segment  
 NEWS 23 Jul 19 NTIS to be reloaded July 28, 2002

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 CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND  
 V6.0Ja(JP),  
 AND CURRENT DISCOVER FILE IS DATED 05  
 FEBRUARY 2002  
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 OVEREXPRESS?

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 L2 7431 HIRUDIN

=> s I1(2a)I2  
 L3 1561 I1(2A) L2

=> s I1(a)I2  
 L4 1443 I1(A) L2

=> s mammal?  
 L5 3965448 MAMMAL?

=> s I4(s)I5  
 L6 3 I4(S) L5

=> dup rem I6  
 PROCESSING COMPLETED FOR L6  
 L7 2 DUP REM L6 (1 DUPLICATE REMOVED)

=> d ti so 1-2

L7 ANSWER 1 OF 2 MEDLINE DUPLICATE 1  
 TI Stable expression and purification of a secreted human recombinant  
 prethrombin-2 and its activation to thrombin.  
 SO PROTEIN EXPRESSION AND PURIFICATION, (1997 Jul) 10  
 (2) 214-25.  
 Journal code: 9101496. ISSN: 1046-5928.

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS  
 TI Recombinant hirudin manufacture with mammalian  
 cells  
 SO Fr. Demande, 20 pp.  
 CODEN: FRXXBL

=> d ibib ab 2

L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS  
 ACCESSION NUMBER: 1989:418820 CAPLUS  
 DOCUMENT NUMBER: 111:18820  
 TITLE: Recombinant hirudin manufacture  
 with mammalian cells  
 INVENTOR(S): Skern, Timothy; Courtney, Michael  
 PATENT ASSIGNEE(S): Transgene S. A., Fr.  
 SOURCE: Fr. Demande, 20 pp.  
 CODEN: FRXXBL  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2611723	A1	19880909	FR 1987-2696	19870227
FR 2611723	B1	19890908		

AB Hirudin, a thrombin inhibitor, is produced by transformed higher  
 eukaryote  
 cells and secreted into the medium. Recombinant vaccinia virus  
 VV.TG.Hir2902 contg. a chimeric human .alpha.1-antitrypsin signal  
 sequence-hirudin gene under control of the vaccinia virus protein

7.5K  
 gene promoter was constructed. BHK21 cells transfected with this  
 viral  
 vector secreted hirudin into the culture medium. The recombinant  
 hirudin  
 was an efficient thrombin inhibitor.

=> s l4(p)l5  
L8 4 L4(P) L5

=> dup rem l8  
PROCESSING COMPLETED FOR L8  
L9 2 DUP REM L8 (2 DUPLICATES REMOVED)

=> s eukaryot?  
L10 108019 EUKARYOT?

=> s l4(s)l10  
L11 7 L4(S) L10

=> dup rem l11  
PROCESSING COMPLETED FOR L11  
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)

=> d ti so 1-4

L12 ANSWER 1 OF 4 MEDLINE DUPLICATE 1  
TI Current status of the anticoagulant hirudin: its biotechnological production and clinical practice.  
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (2001 Dec) 57 (5-6) 606-13. Ref:  
75  
Journal code: 8406612. ISSN: 0175-7598.

L12 ANSWER 2 OF 4 MEDLINE DUPLICATE 2  
TI Efficient synthesis of the blood-coagulation inhibitor hirudin in the filamentous fungus *Acremonium chrysogenum*.  
SO APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, (1997 Jul) 48 (1) 58-65.  
Journal code: 8406612. ISSN: 0175-7598.

L12 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
TI Molecular cloning of hirudin derivative cDNA gene and expression in mammalian cell.  
SO Acta Academiae Medicinae Shanghai, (1996) Vol. 23, No. 3, pp. 185-188.  
ISSN: 0257-8131.

L12 ANSWER 4 OF 4 MEDLINE  
TI Production of the HV1 variant of hirudin by recombinant DNA methodology.  
SO BLOOD COAGULATION AND FIBRINOLYSIS, (1991 Feb) 2 (1) 113-20.  
Journal code: 9102551. ISSN: 0957-5235.

=> d his

(FILE 'HOME' ENTERED AT 13:56:20 ON 19 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 13:56:29 ON 19 JUL 2002  
L1 675126 S RECOMBINANT? OR HETEROLOGOUS? OR OVEREXPRESS?  
L2 7431 S HIRUDIN  
L3 1561 S L1(2A)L2  
L4 1443 S L1(A)L2  
L5 3965448 S MAMMAL?  
L6 3 S L4(S)L5  
L7 2 DUP REM L6 (1 DUPLICATE REMOVED)  
L8 4 S L4(P)L5  
L9 2 DUP REM L8 (2 DUPLICATES REMOVED)  
L10 108019 S EUKARYOT?  
L11 7 S L4(S)L10  
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)

=> s l4 not (prokaryot? or bacteria or fungus or yeast)

L13 1352 L4 NOT (PROKARYOT? OR BACTERIA OR FUNGUS OR YEAST)

=> s hirudin/ti  
L14 2666 HIRUDIN/TI

=> d his

(FILE 'HOME' ENTERED AT 13:56:20 ON 19 JUL 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 13:56:29 ON 19 JUL 2002

L1 675126 S RECOMBINANT? OR HETEROLOGOUS? OR OVEREXPRESS?  
L2 7431 S HIRUDIN  
L3 1561 S L1(2A)L2  
L4 1443 S L1(A)L2  
L5 3965448 S MAMMAL?  
L6 3 S L4(S)L5  
L7 2 DUP REM L6 (1 DUPLICATE REMOVED)  
L8 4 S L4(P)L5  
L9 2 DUP REM L8 (2 DUPLICATES REMOVED)  
L10 108019 S EUKARYOT?  
L11 7 S L4(S)L10  
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)  
L13 1352 S L4 NOT (PROKARYOT? OR BACTERIA OR FUNGUS OR YEAST)  
L14 2666 S HIRUDIN/TI

=> s l1(s)l14  
L15 796 L1(S) L14

=> s l10 and l15  
L16 2 L10 AND L15

=> dup rem l16  
PROCESSING COMPLETED FOR L16  
L17 2 DUP REM L16 (0 DUPLICATES REMOVED)

=> d ti so 1-2

L17 ANSWER 1 OF 2 MEDLINE  
TI Production of the HV1 variant of hirudin by recombinant DNA methodology.  
SO BLOOD COAGULATION AND FIBRINOLYSIS, (1991 Feb) 2 (1) 113-20.  
Journal code: 9102551. ISSN: 0957-5235.

L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS  
TI Recombinant hirudin manufacture with mammalian cells  
SO Fr. Demande, 20 pp.  
CODEN: FRXXBL

=> d his

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FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 13:56:29 ON 19 JUL 2002

L1 675126 S RECOMBINANT? OR HETEROLOGOUS? OR OVEREXPRESS?  
L2 7431 S HIRUDIN  
L3 1561 S L1(2A)L2  
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L5 3965448 S MAMMAL?  
L6 3 S L4(S)L5  
L7 2 DUP REM L6 (1 DUPLICATE REMOVED)  
L8 4 S L4(P)L5  
L9 2 DUP REM L8 (2 DUPLICATES REMOVED)  
L10 108019 S EUKARYOT?  
L11 7 S L4(S)L10  
L12 4 DUP REM L11 (3 DUPLICATES REMOVED)  
L13 1352 S L4 NOT (PROKARYOT? OR BACTERIA OR

FUNGUS OR YEAST)  
L14 2666 S HIRUDIN/TI  
L15 796 S L1(S)L14  
L16 2 S L10 AND L15  
L17 2 DUP REM L16 (0 DUPLICATES REMOVED)

=> log y  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 32.05 32.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
SINCE FILE TOTAL

ENTRY SESSION  
CA SUBSCRIBER PRICE -0.62 -0.62

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